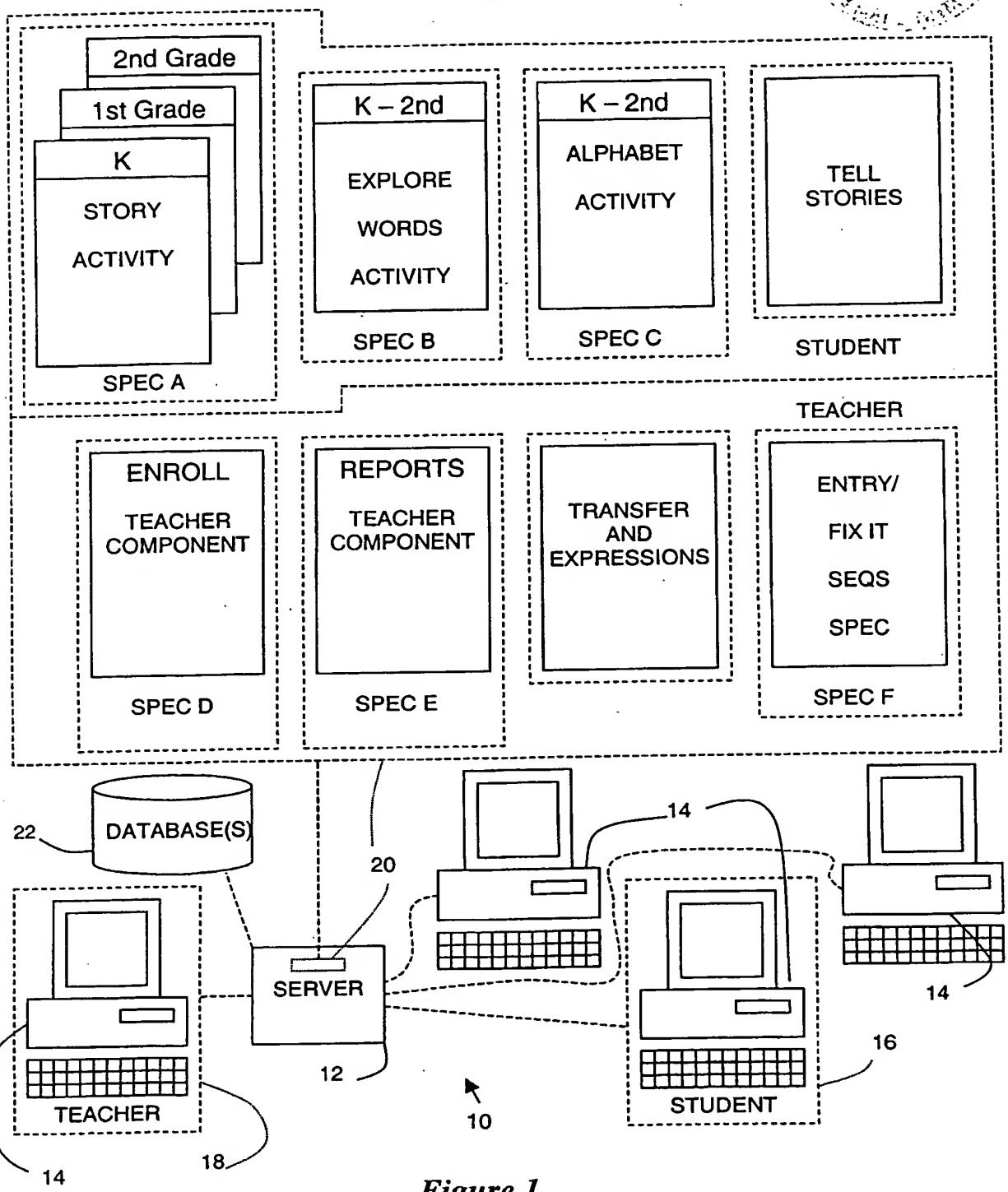


Figure 1

BEST AVAILABLE COPY

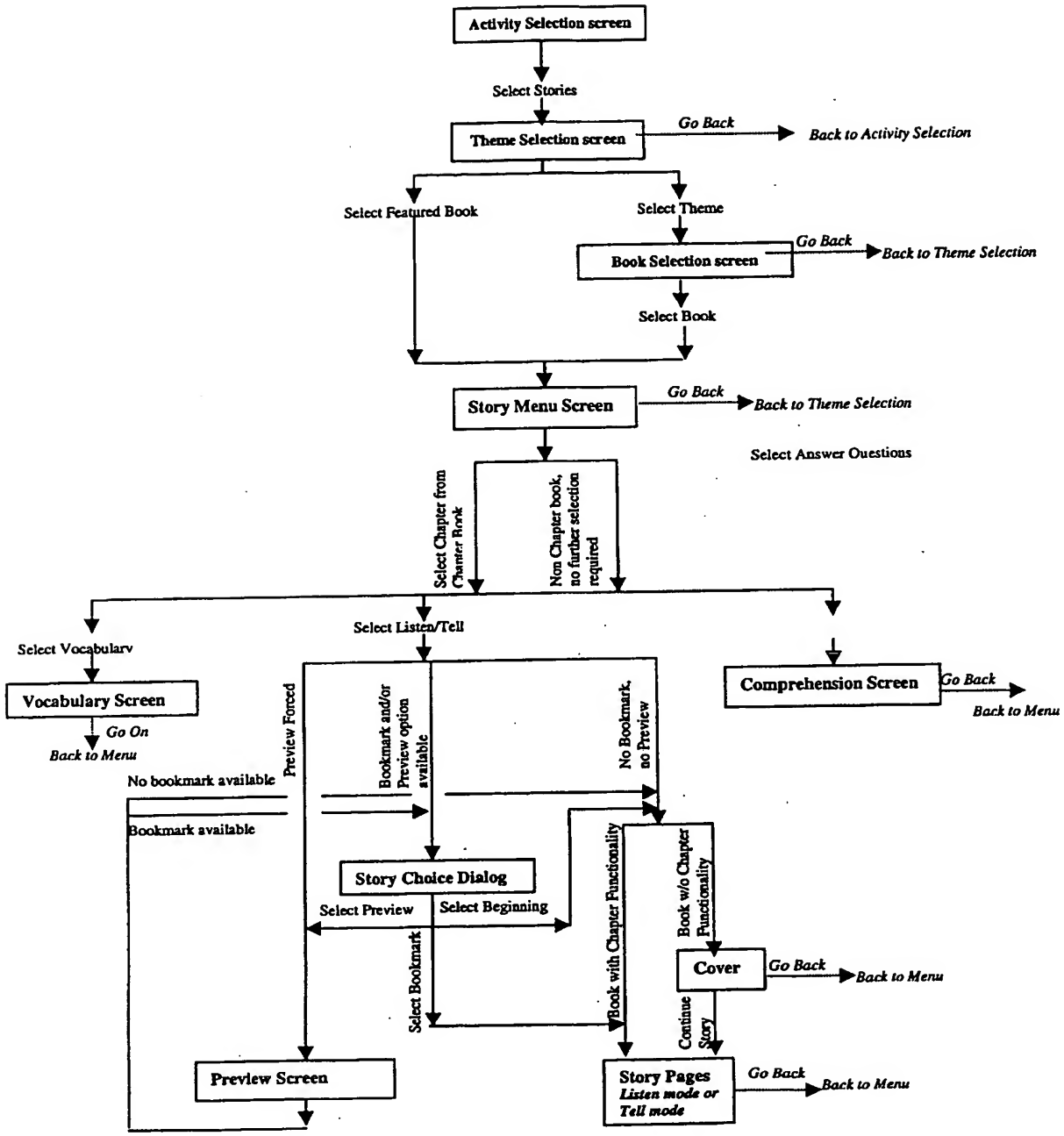

Activity Selection screen
Select Stories
Theme Selection screen
Go Back
Back to Activity Selection
Select Featured Book
Select Theme
Book Selection screen
Go Back
Back to Theme Selection
Select Book
Story Menu Screen
Go Back
Back to Theme Selection
Select Answer Questions
Select Chapter from Chapter Book
Non Chapter book, no further selection required
Select Vocabulary
Select Listen/Tell
Comprehension Screen
Go Back
Back to Menu
Vocabulary Screen
Go On
Back to Menu
Preview Forced
Bookmark and/or Preview option available
No Bookmark, no Preview
No bookmark available
Bookmark available
Story Choice Dialog
Select Preview
Select Beginning
Select Bookmark
Book with Chapter Functionality
Book w/o Chapter Functionality
Cover
Go Back
Back to Menu
Continue Story
Preview Screen
Story Pages
Listen mode or Tell mode
Go Back
Back to Menu

Figure 2.1

1090532.061802

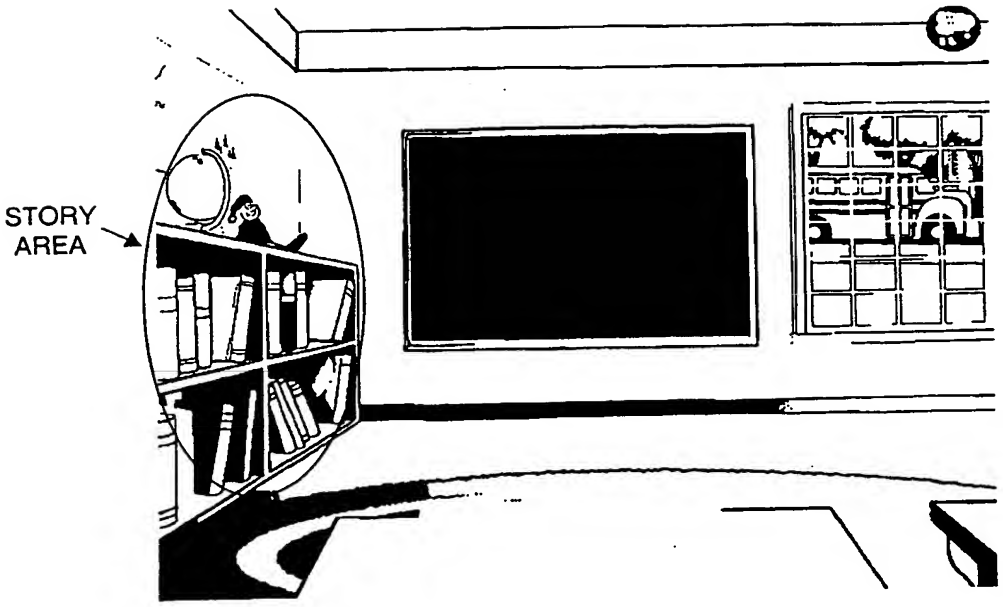


Figure 2.2

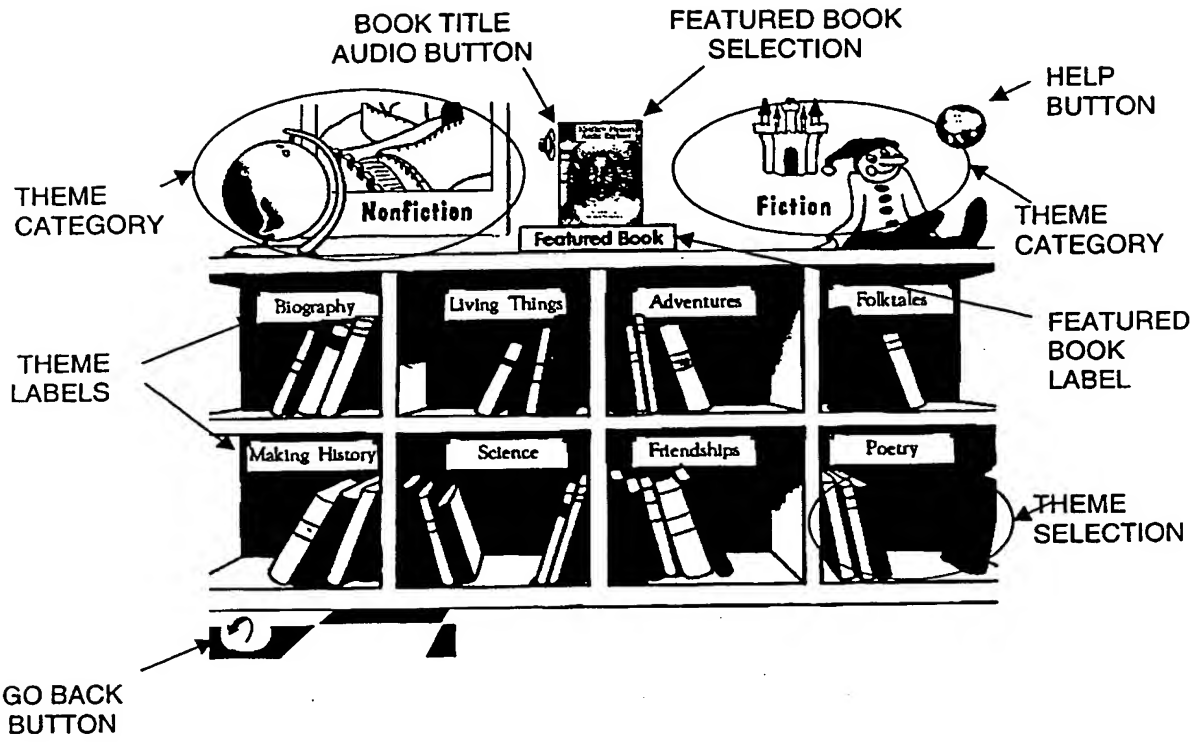

BOOK TITLE
AUDIO BUTTON
FEATURED BOOK
SELECTION
HELP
BUTTON
THEME
CATEGORY
Nonfiction
Featured Book
Fiction
THEME
CATEGORY
Biography
Living Things
Adventures
Folktales
FEATURED
BOOK
LABEL
THEME
LABELS
Making History
Science
Friendships
Poetry
THEME
SELECTION
GO BACK
BUTTON

Figure 2.3

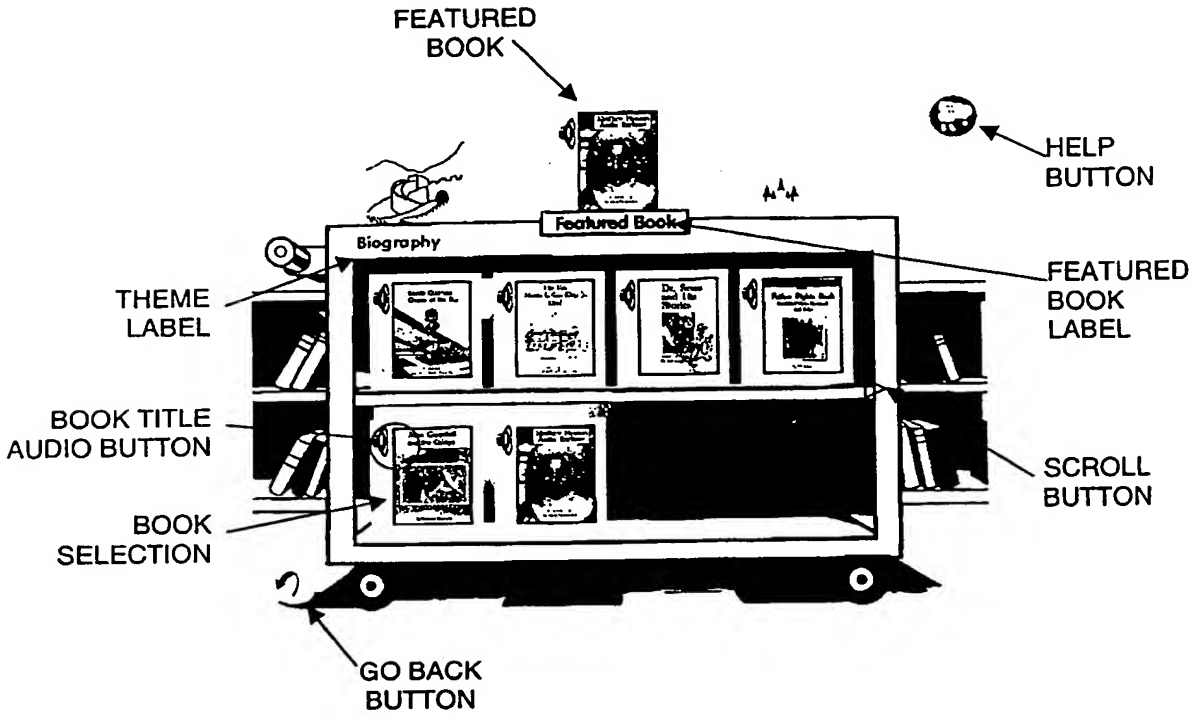

FEATURED BOOK
HELP BUTTON
Featured Book
Biography
THEME LABEL
FEATURED BOOK LABEL
BOOK TITLE AUDIO BUTTON
SCROLL BUTTON
BOOK SELECTION
GO BACK BUTTON

Figure 2.4

10090532 .061802

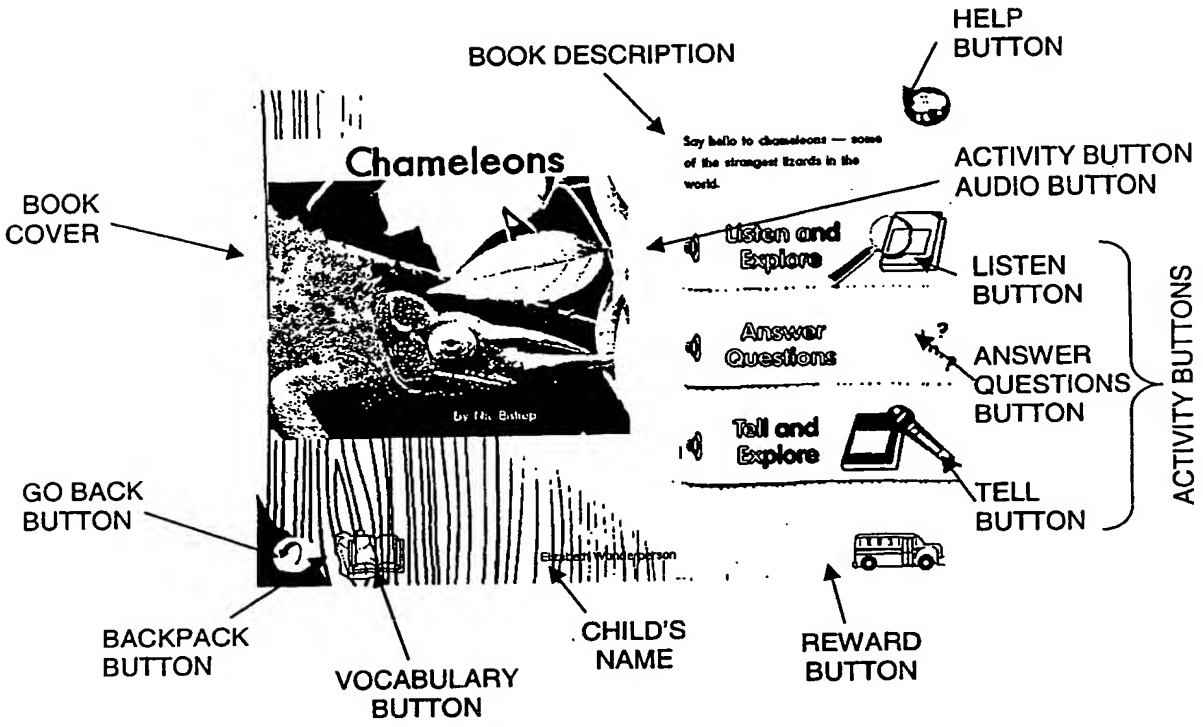


Figure 2.5

10090532 .061802

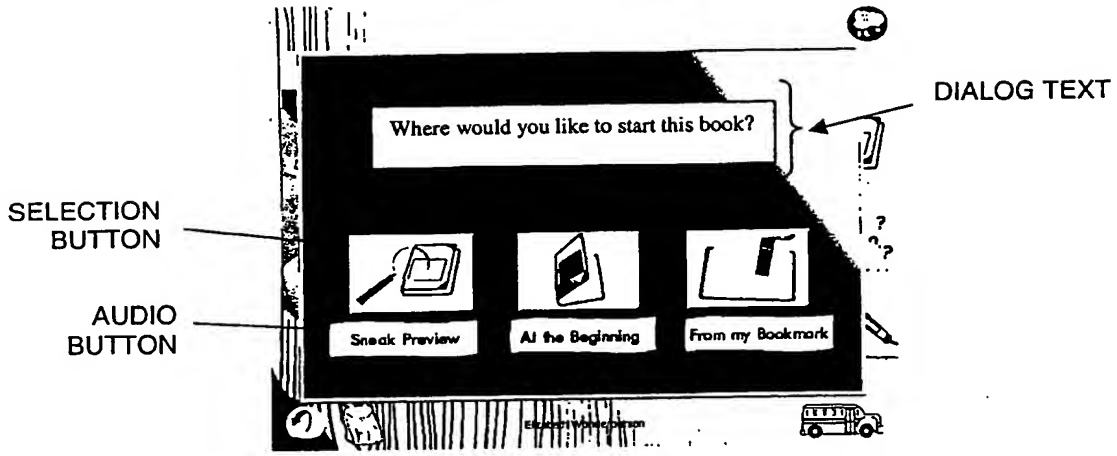
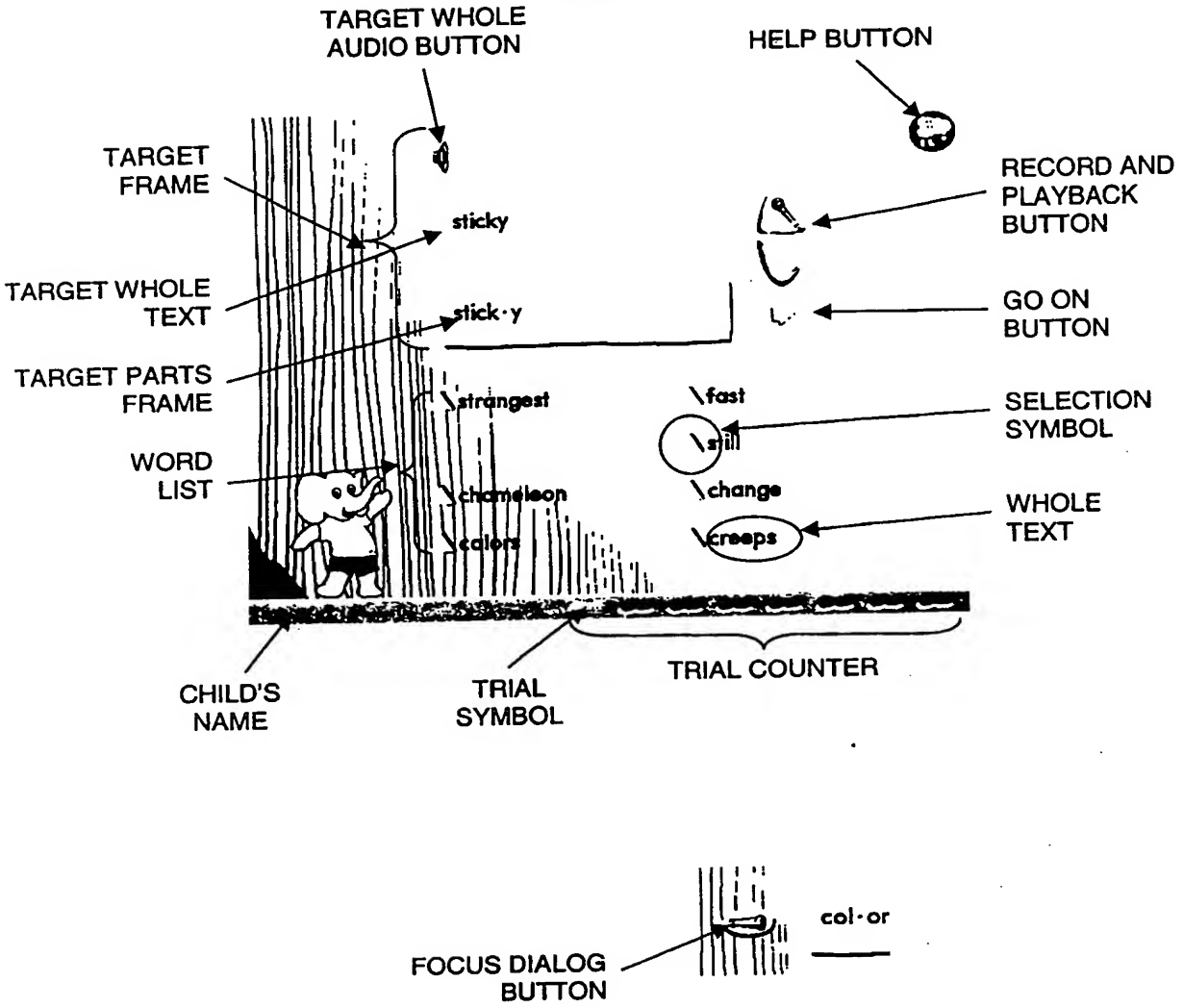


Figure 2.6


TARGET WHOLE AUDIO BUTTON
HELP BUTTON
TARGET FRAME
RECORD AND PLAYBACK BUTTON
sticky
TARGET WHOLE TEXT
stick·y
GO ON BUTTON
TARGET PARTS FRAME
strangest
fast
SELECTION SYMBOL
still
WORD LIST
chameleon
change
WHOLE TEXT
colors
creeps
CHILD'S NAME
TRIAL SYMBOL
TRIAL COUNTER

col·or
FOCUS DIALOG BUTTON

Figure 2.7

10090532 .061902

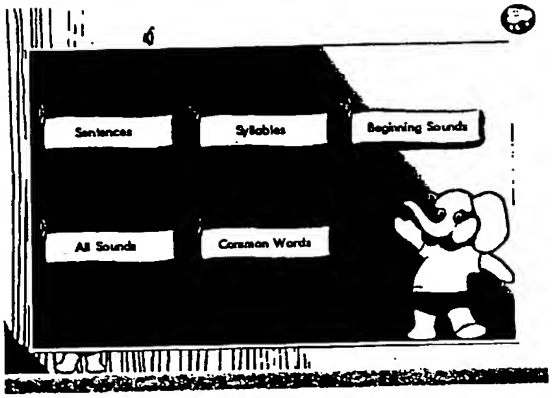


Figure 2.8

10090532.061802

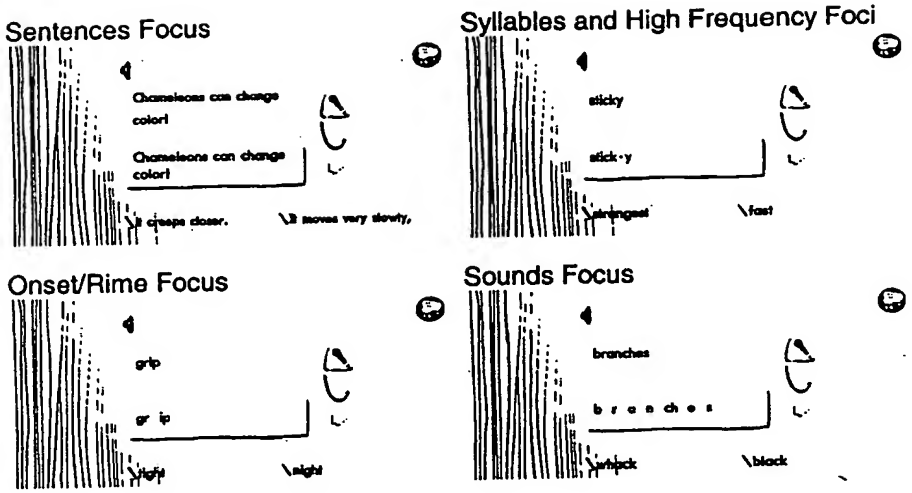


Figure 2.9

10090532 . 061802

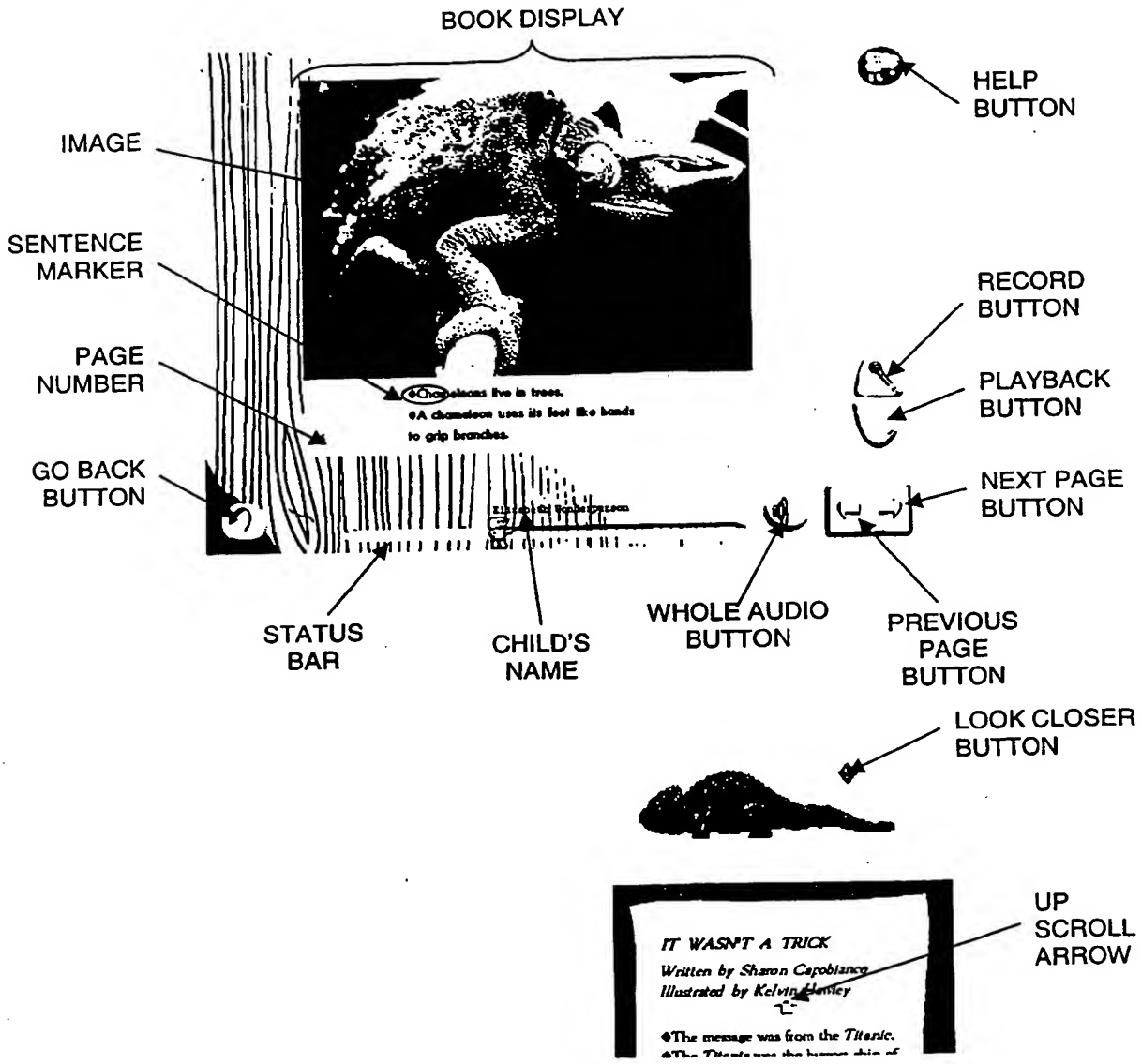


Figure 2.10

1009053 2 .061802

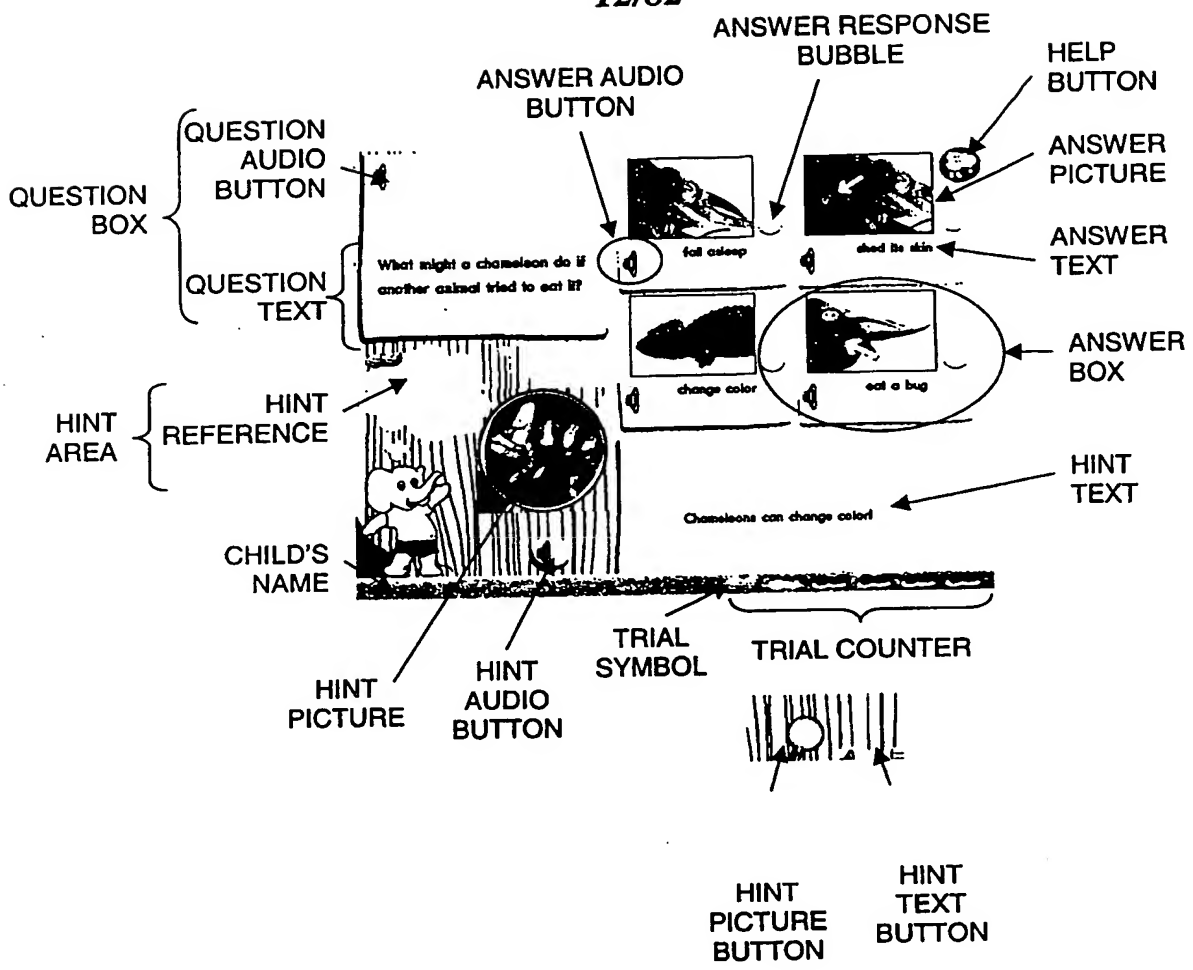


Figure 2.11

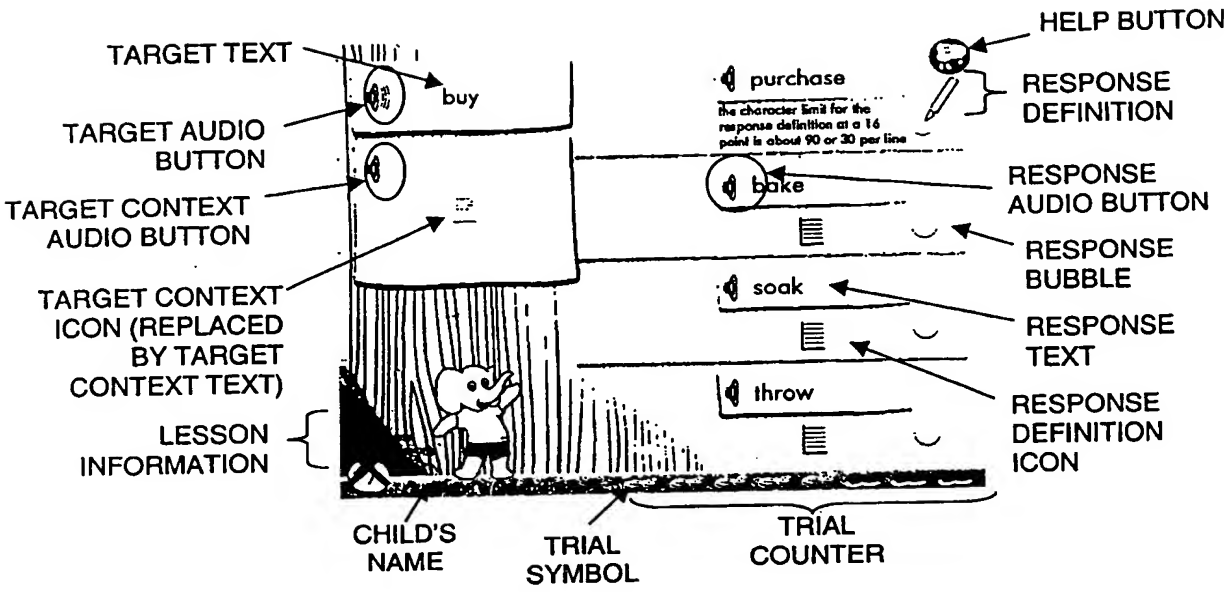
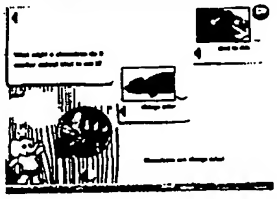

TARGET TEXT
buy
TARGET AUDIO BUTTON
TARGET CONTEXT AUDIO BUTTON
TARGET CONTEXT ICON (REPLACED BY TARGET CONTEXT TEXT)
LESSON INFORMATION
CHILD'S NAME
TRIAL SYMBOL
TRIAL COUNTER
HELP BUTTON
purchase
the character limit for the response definition at a 16 point is about 90 or 30 per line
RESPONSE DEFINITION
bake
RESPONSE AUDIO BUTTON
RESPONSE BUBBLE
soak
RESPONSE TEXT
throw
RESPONSE DEFINITION ICON

Figure 2.12

AVL 1

	Question	Answer	Hint
Picture		Initial	Initial
Text	Initial	Initial	Initial
Audio	Initial	On Demand	On Demand

Note: at AVL 1, only two answers will be presented.



AVL 2

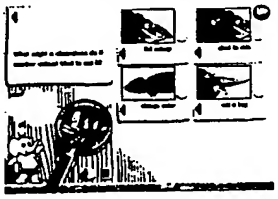
	Question	Answer	Hint
Picture		Initial	Initial
Text	Initial	Initial	Initial
Audio	Initial	On Demand	On Demand

Note: at AVL 2-7, four answers will be presented.

AVL 3

	Question	Answer	Hint
Picture		Initial	On Demand
Text	Initial	Initial	On Demand
Audio	Initial	On Demand	On Demand

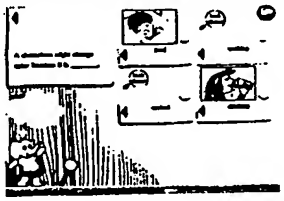
Note: at AVL 2-7, four answers will be presented.



AVL 4

	Question	Answer	Hint
Picture		On Demand	On Demand
Text	Initial	Initial	Never
Audio	Initial	On Demand	Never

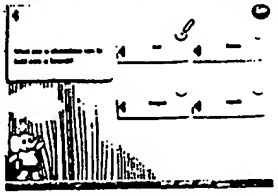
Note: at AVL 2-7, four answers will be presented.



AVL 5

	Question	Answer	Hint
Picture		Never	Never
Text	Initial	Initial	Never
Audio	On Demand	On Demand	Never

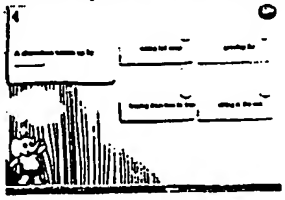
Note: at AVL 2-7, four answers will be presented.



AVL 6

	Question	Answer	Hint
Picture		Never	Never
Text	Initial	Initial	Never
Audio	On Demand	Never	Never

Note: at AVL 2-7, four answers will be presented.



AVL 7

	Question	Answer	Hint
Picture		Never	Never
Text	Initial	Initial	Never
Audio	Never	Never	Never

Note: at AVL 2-7, four answers will be presented.

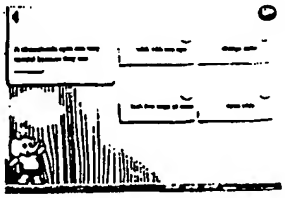


Figure 2.13

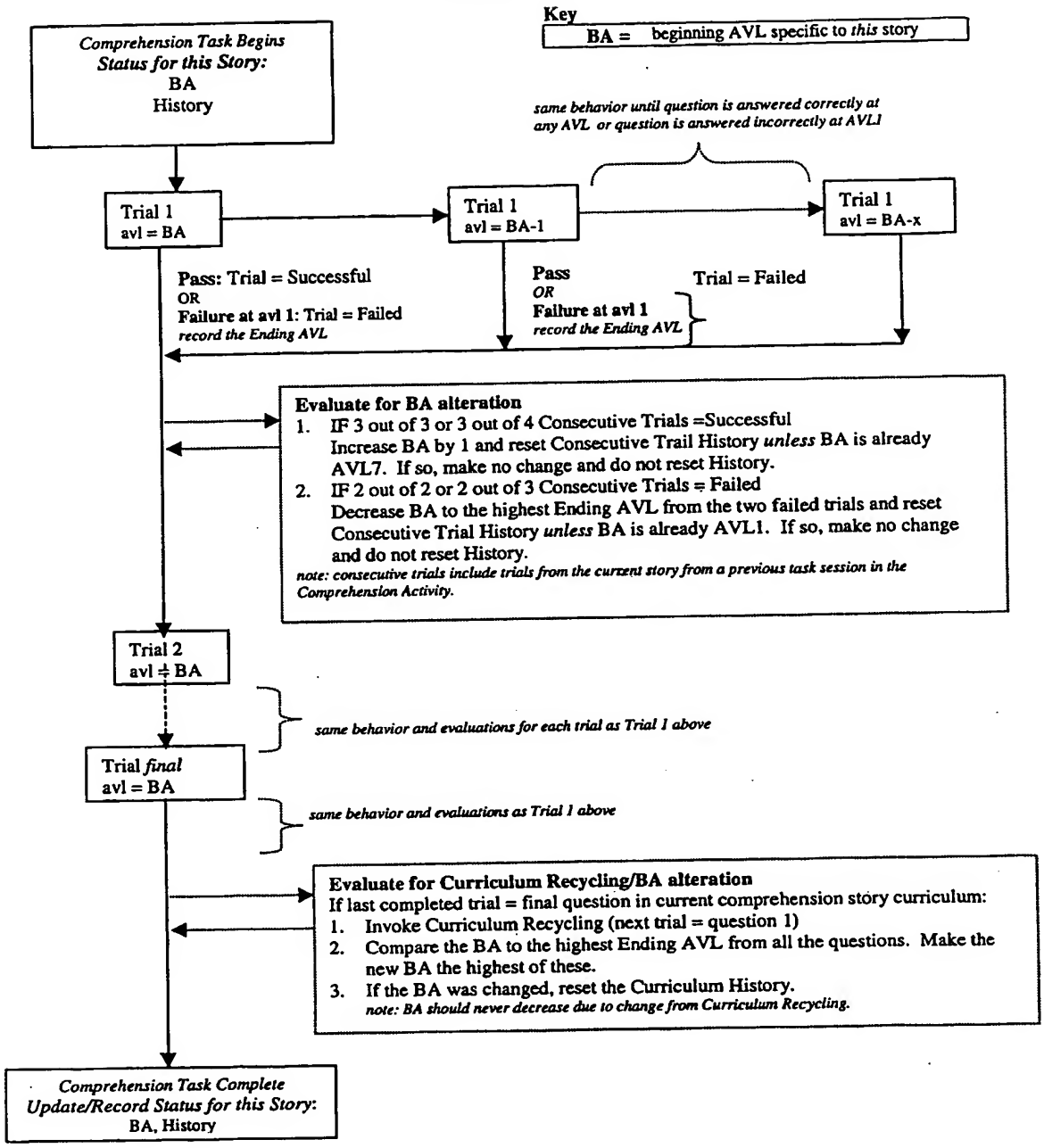

Key
BA = beginning AVL specific to this story
Comprehension Task Begins
Status for this Story:
BA
History
same behavior until question is answered correctly at any AVL or question is answered incorrectly at AVL1
Trial 1
avl = BA
Trial 1
avl = BA-1
Trial 1
avl = BA-x
Pass: Trial = Successful
OR
Failure at avl 1: Trial = Failed
record the Ending AVL
Pass
OR
Failure at avl 1
record the Ending AVL
Trial = Failed
Evaluate for BA alteration
1. IF 3 out of 3 or 3 out of 4 Consecutive Trials =Successful
Increase BA by 1 and reset Consecutive Trail History unless BA is already AVL7. If so, make no change and do not reset History.
2. IF 2 out of 2 or 2 out of 3 Consecutive Trials = Failed
Decrease BA to the highest Ending AVL from the two failed trials and reset Consecutive Trial History unless BA is already AVL1. If so, make no change and do not reset History.
note: consecutive trials include trials from the current story from a previous task session in the Comprehension Activity.
Trial 2
avl = BA
same behavior and evaluations for each trial as Trial 1 above
Trial final
avl = BA
same behavior and evaluations as Trial 1 above
Evaluate for Curriculum Recycling/BA alteration
If last completed trial = final question in current comprehension story curriculum:
1. Invoke Curriculum Recycling (next trial = question 1)
2. Compare the BA to the highest Ending AVL from all the questions. Make the new BA the highest of these.
3. If the BA was changed, reset the Curriculum History.
note: BA should never decrease due to change from Curriculum Recycling.
Comprehension Task Complete
Update/Record Status for this Story:
BA, History

Figure 2.14

10090532 . 061802

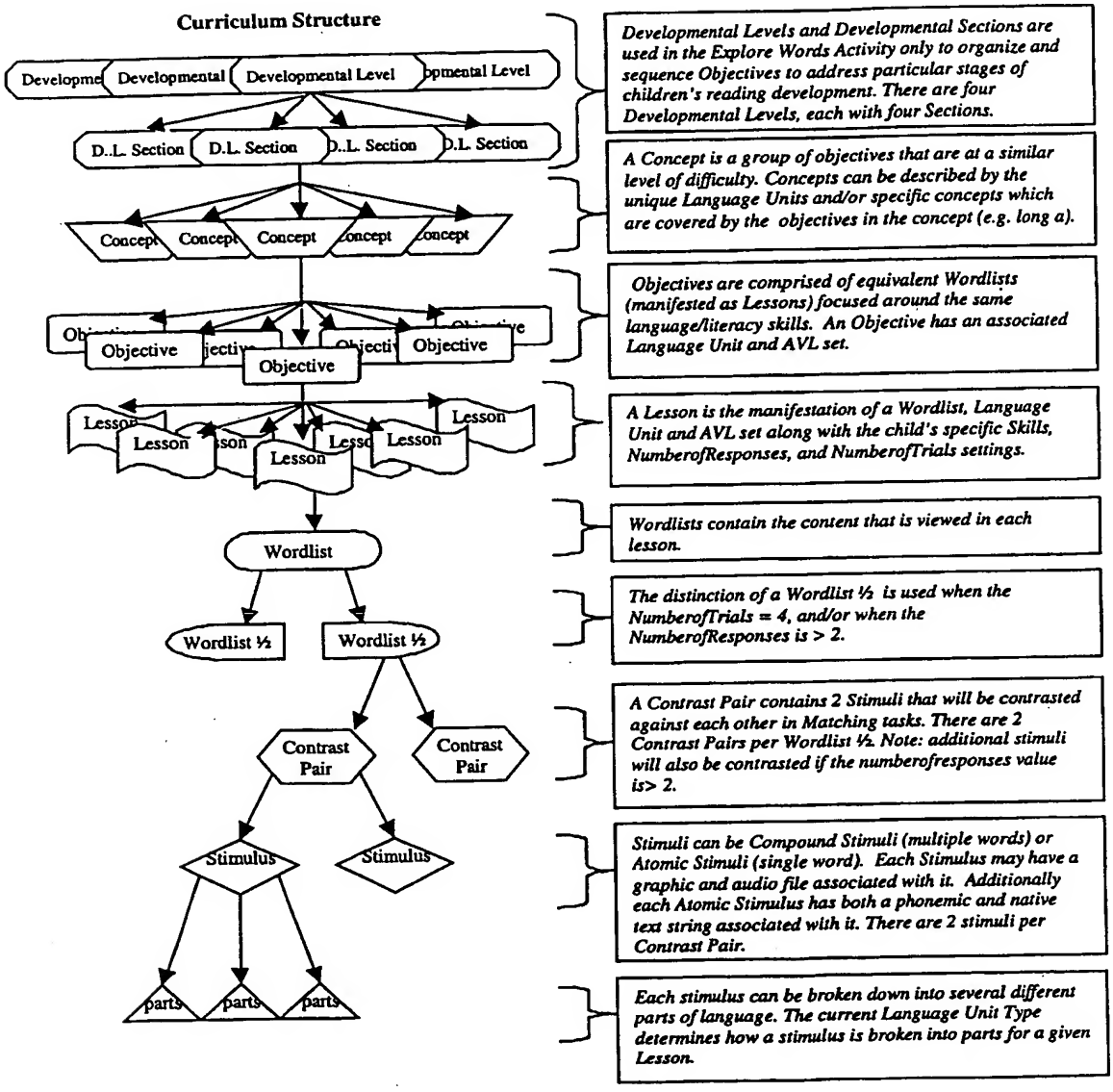


Figure 3.1

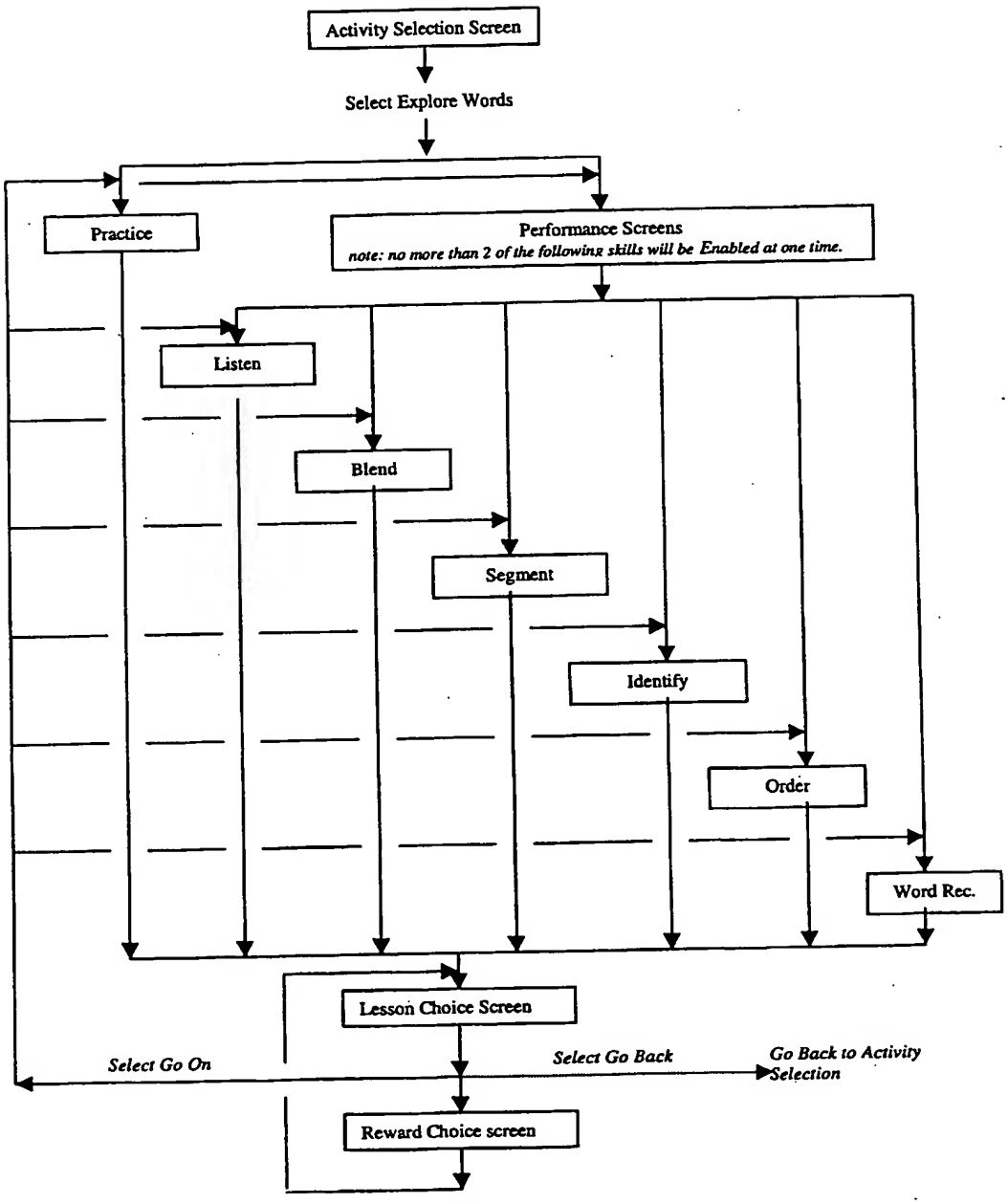

Activity Selection Screen
Select Explore Words
Practice
Performance Screens
note: no more than 2 of the following skills will be Enabled at one time.
Listen
Blend
Segment
Identify
Order
Word Rec.
Lesson Choice Screen
Select Go On
Select Go Back
Go Back to Activity Selection
Reward Choice screen

Figure 3.2

1009532.061802

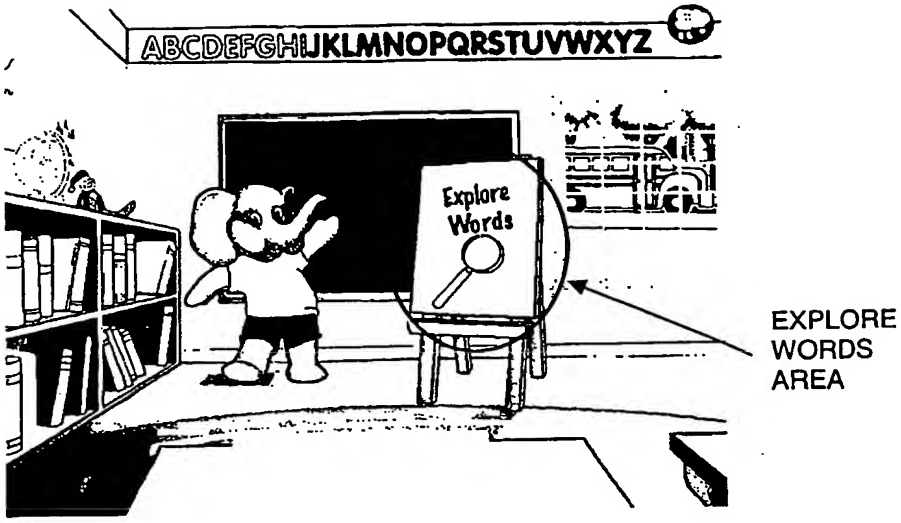


Figure 3.3

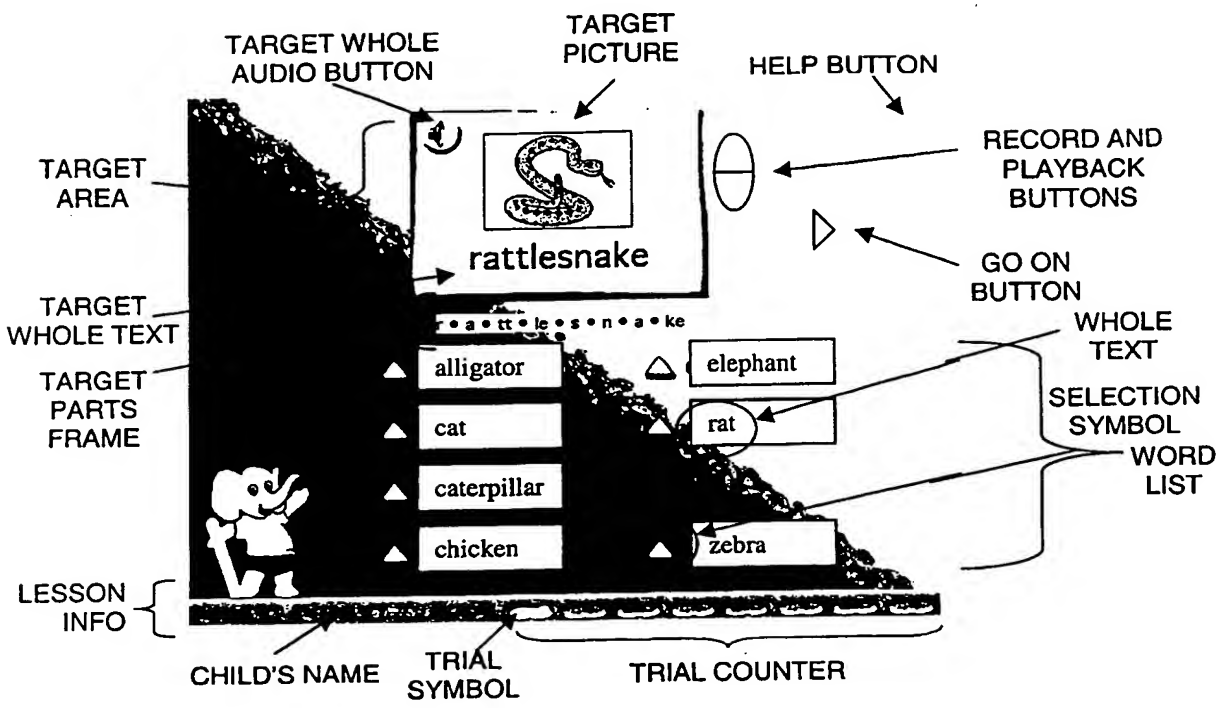

TARGET WHOLE AUDIO BUTTON
TARGET PICTURE
HELP BUTTON
TARGET AREA
RECORD AND PLAYBACK BUTTONS
rattlesnake
GO ON BUTTON
TARGET WHOLE TEXT
WHOLE TEXT
TARGET PARTS FRAME
alligator
cat
caterpillar
chicken
elephant
rat
zebra
SELECTION SYMBOL
WORD LIST
LESSON INFO
CHILD'S NAME
TRIAL SYMBOL
TRIAL COUNTER

Figure 3.4

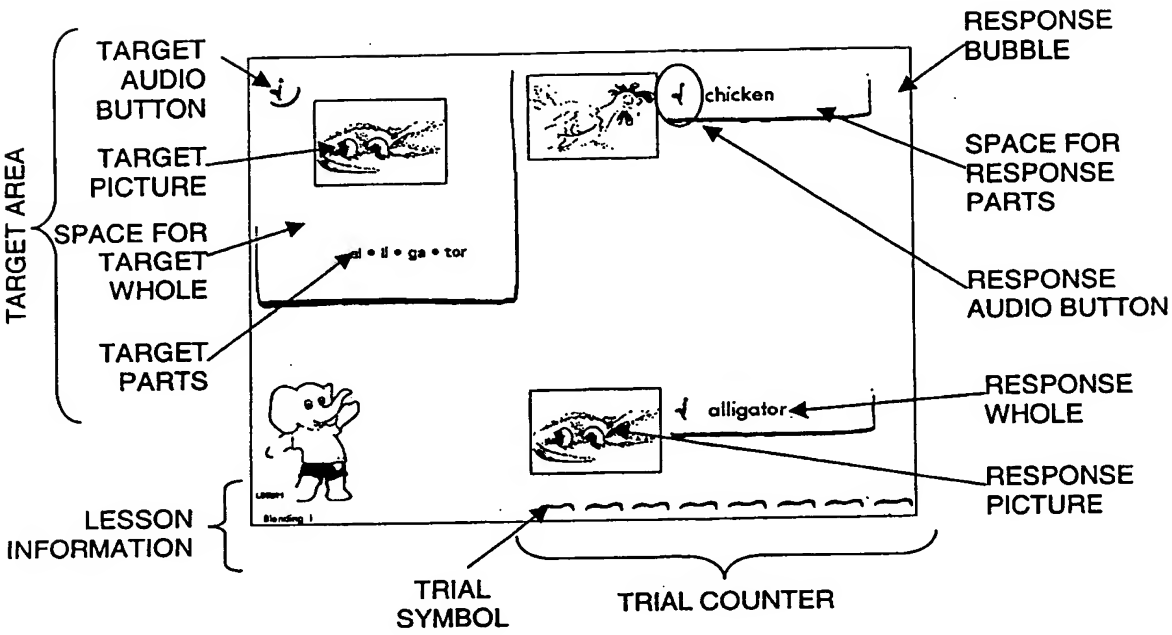

TARGET AREA
TARGET AUDIO BUTTON
TARGET PICTURE
SPACE FOR TARGET WHOLE
TARGET PARTS
LESSON INFORMATION
RESPONSE BUBBLE
SPACE FOR RESPONSE PARTS
RESPONSE AUDIO BUTTON
RESPONSE WHOLE
RESPONSE PICTURE
TRIAL SYMBOL
TRIAL COUNTER
chicken
alligator

Figure 3.5

10090532 .061802

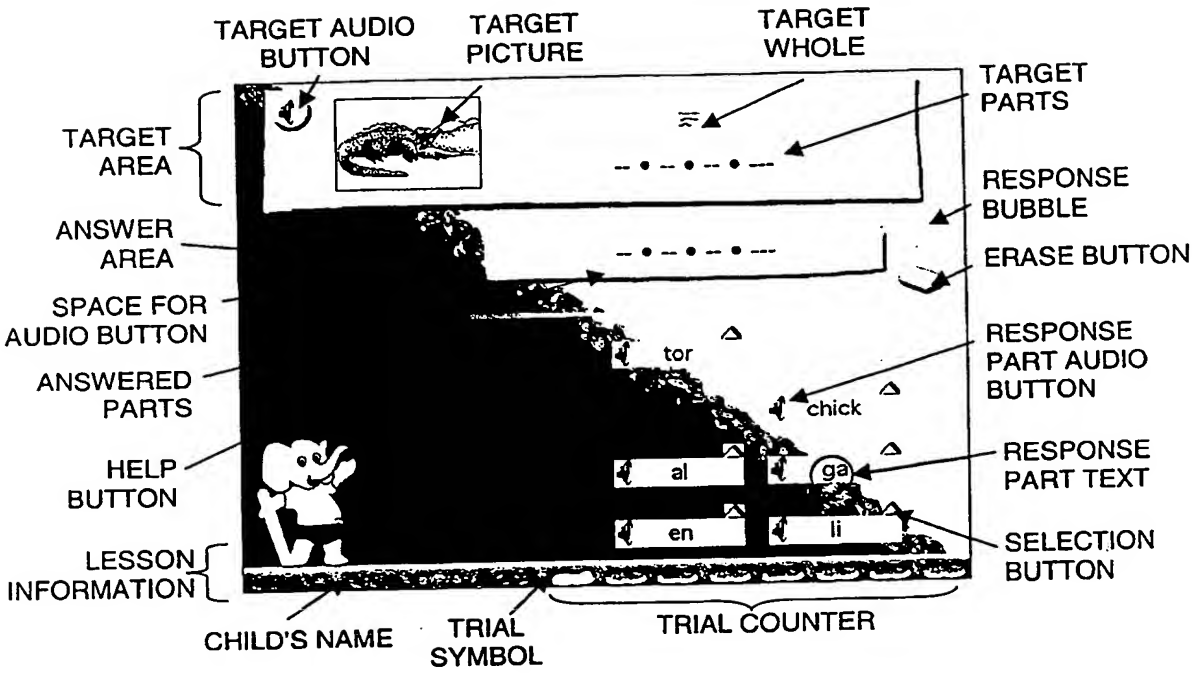


Figure 3.6

1009053 2 .061802

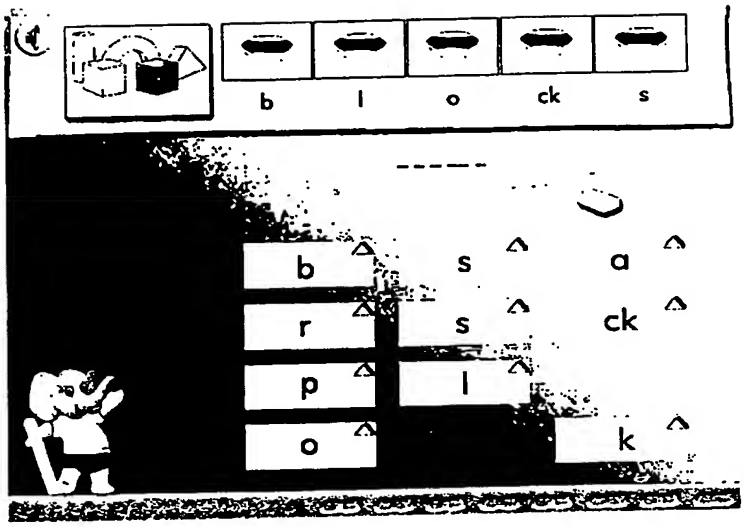


Figure 3.7

Key:
LU = language unit type
Obj = objective
# Res. = Number of Responses

P1-8 = Practice trials 1-8
+ = Successful
- = Failed

N = Neutral/Passed

LU	Obj	Lesson	# Res.	Trial	Listen			Blend			Segment			Identify			Order			Word Rec			Overall Score		Rule in use
					1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Sk	Ls	
Sent	1	1	3	P1-8																					
				1		+																			
				2		+																			
				3		+																			3f
				4			+																		
				5			-																		
				6			+																		3g
				7			-																+		4a, 5a
				8		+																			
				1					+																
				2					-																3g
				3					-																
				4				-																	
				5				+																	
				6				+																	
				7				+															-		3f, 4c, 5c
				8					+																
				1					+																
				2					-																
				3					+																3f
				4						-															
				5						-															3g
				6					+																
				7					+														N		4b, 5b1
				8					+															N	6avi

Figure 3.8.1

	1	2	3	P1-8																				6b
				1		+																		
				2		-																		
				3		+																		3f
				4			+																	
				5			+																	
				6			+																	
				7			+															+		4a, 5a
				8			+																	3f
				1						+														
				2						-														
				3						+														
				4						-														3g
				5					+															
				6					+															
				7					+													+		3f, 4a, 5d
				8						+													+	6aiii
	1	3	3	P1-8																				6b
				1			+																	
				2			+																	
				3			+																	
				4			-																	
				5			+																	
				6			+																	
				7			+															+		4a, 5a
				8			+																	
				1						-														
				2						+														
				3						+														
				4						-														
				5						+														
				6						+														
				7						+												+		4a, 5d
				8						+													+	6aiii

Figure 3.8.2

	1	4	4	P1-8																				6b, 7a
				1			+																	
				2			+																	
				3			+																	
				4			+																	
				5			+																	
				6			+																	
				7			+																	
				8			+															+		4a, 5a
				1					+															
				2					+															
				3					-															
				4					+															
				5					+															
				6					+															
				7					+															
				8					-													+		4a, 5d
											-												+	6aiii
				1							+													6b, 8ai4
				2							-													
				3						+														3g
				4						+														
				5						+														3f
				6							+													
				7							-													
				8							+											-		4c
	1	5	4	P1-8																				8ai4
				1					-															
				2				+																3g
				3				-																
				4				+																
				5				-																
				6			+																	
				7			+																	
				8			+															-		4c, 5b
				1				+																
				2				+																
				3				-																
				4				-																
				5			+																	
				6			+																	
				7			+																	
				8				+														-		5b1
																							-	6aii

Figure 3.8.3

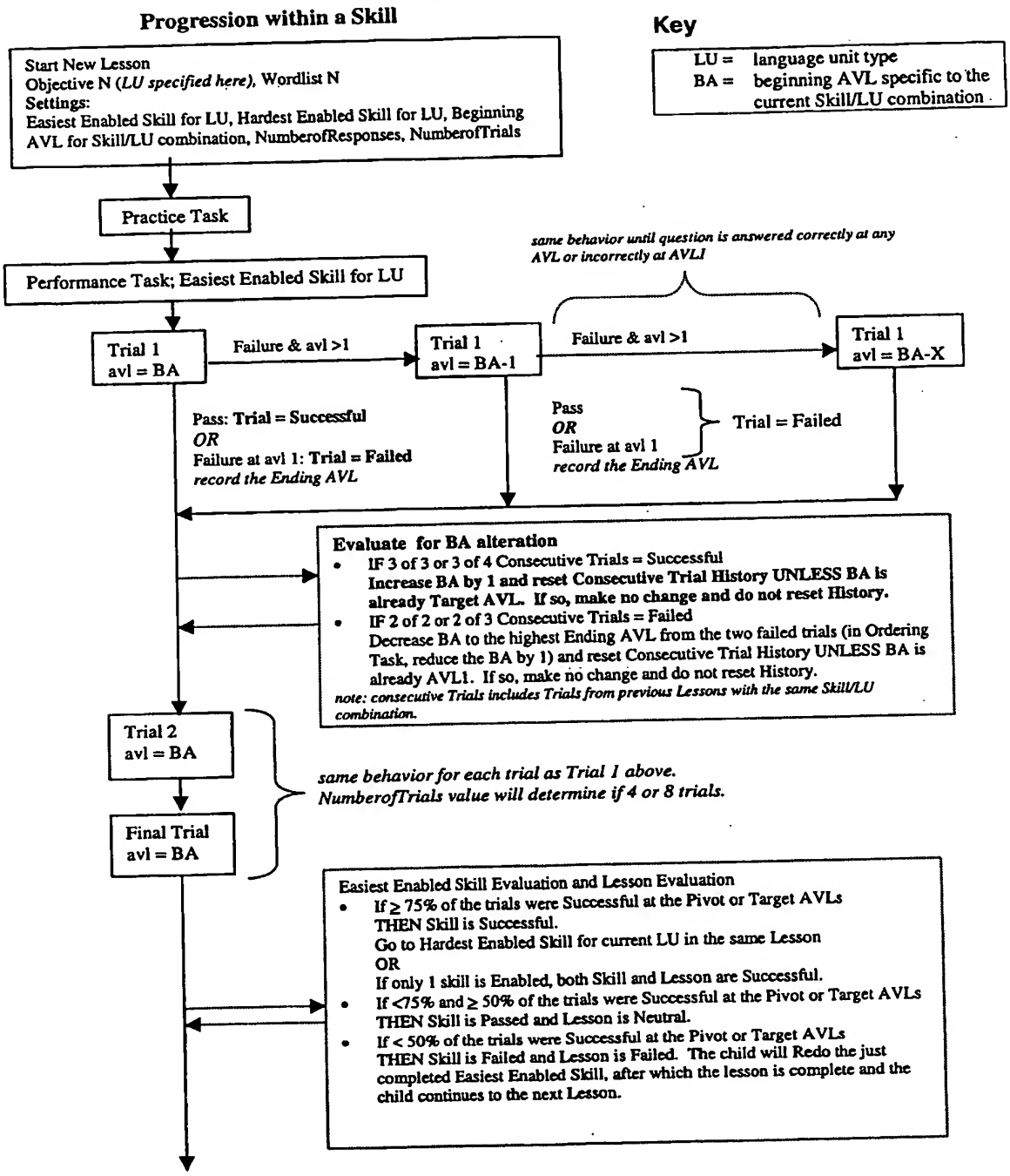

Progression within a Skill
Key
LU = language unit type
BA = beginning AVL specific to the current Skill/LU combination
Start New Lesson
Objective N (LU specified here), Wordlist N
Settings:
Easiest Enabled Skill for LU, Hardest Enabled Skill for LU, Beginning AVL for Skill/LU combination, NumberofResponses, NumberofTrials
Practice Task
Performance Task; Easiest Enabled Skill for LU
same behavior until question is answered correctly at any AVL or incorrectly at AVL1
Trial 1 avl = BA
Failure & avl >1
Trial 1 avl = BA-1
Failure & avl >1
Trial 1 avl = BA-X
Pass: Trial = Successful
OR
Failure at avl 1: Trial = Failed
record the Ending AVL
Pass
OR
Failure at avl 1
record the Ending AVL
Trial = Failed
Evaluate for BA alteration
IF 3 of 3 or 3 of 4 Consecutive Trials = Successful
Increase BA by 1 and reset Consecutive Trial History UNLESS BA is already Target AVL. If so, make no change and do not reset History.
IF 2 of 2 or 2 of 3 Consecutive Trials = Failed
Decrease BA to the highest Ending AVL from the two failed trials (in Ordering Task, reduce the BA by 1) and reset Consecutive Trial History UNLESS BA is already AVL1. If so, make no change and do not reset History.
note: consecutive Trials includes Trials from previous Lessons with the same Skill/LU combination.
Trial 2 avl = BA
Final Trial avl = BA
same behavior for each trial as Trial 1 above.
NumberofTrials value will determine if 4 or 8 trials.
Easiest Enabled Skill Evaluation and Lesson Evaluation
If ≥ 75% of the trials were Successful at the Pivot or Target AVLs
THEN Skill is Successful.
Go to Hardest Enabled Skill for current LU in the same Lesson
OR
If only 1 skill is Enabled, both Skill and Lesson are Successful.
If <75% and ≥ 50% of the trials were Successful at the Pivot or Target AVLs
THEN Skill is Passed and Lesson is Neutral.
If < 50% of the trials were Successful at the Pivot or Target AVLs
THEN Skill is Failed and Lesson is Failed. The child will Redo the just completed Easiest Enabled Skill, after which the lesson is complete and the child continues to the next Lesson.

Figure 3.9.1

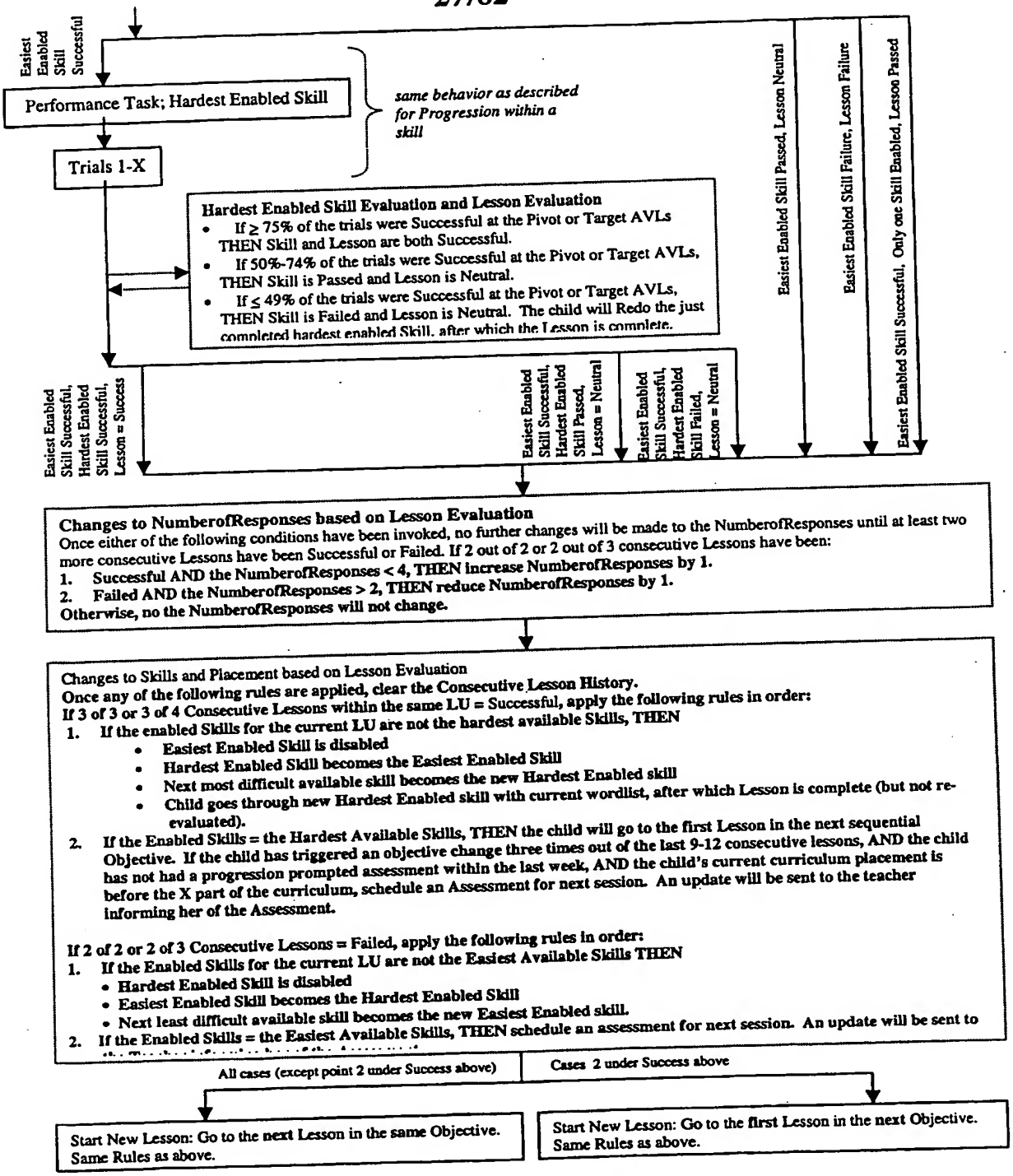

Easiest Enabled Skill Successful
Performance Task; Hardest Enabled Skill
same behavior as described for Progression within a skill
Trials 1-X
Hardest Enabled Skill Evaluation and Lesson Evaluation
• If ≥ 75% of the trials were Successful at the Pivot or Target AVLs THEN Skill and Lesson are both Successful.
• If 50%-74% of the trials were Successful at the Pivot or Target AVLs, THEN Skill is Passed and Lesson is Neutral.
• If ≤ 49% of the trials were Successful at the Pivot or Target AVLs, THEN Skill is Failed and Lesson is Neutral. The child will Redo the just completed hardest enabled Skill, after which the Lesson is complete.
Easiest Enabled Skill Passed, Lesson Neutral
Easiest Enabled Skill Failure, Lesson Failure
Easiest Enabled Skill Successful, Only one Skill Enabled, Lesson Passed
Easiest Enabled Skill Successful, Hardest Enabled Skill Successful, Lesson = Success
Easiest Enabled Skill Successful, Hardest Enabled Skill Passed, Lesson = Neutral
Easiest Enabled Skill Successful, Hardest Enabled Skill Failed, Lesson = Neutral
Changes to NumberofResponses based on Lesson Evaluation
Once either of the following conditions have been invoked, no further changes will be made to the NumberofResponses until at least two more consecutive Lessons have been Successful or Failed. If 2 out of 2 or 2 out of 3 consecutive Lessons have been:
1. Successful AND the NumberofResponses < 4, THEN increase NumberofResponses by 1.
2. Failed AND the NumberofResponses > 2, THEN reduce NumberofResponses by 1.
Otherwise, no the NumberofResponses will not change.
Changes to Skills and Placement based on Lesson Evaluation
Once any of the following rules are applied, clear the Consecutive Lesson History.
If 3 of 3 or 3 of 4 Consecutive Lessons within the same LU = Successful, apply the following rules in order:
1. If the enabled Skills for the current LU are not the hardest available Skills, THEN
• Easiest Enabled Skill is disabled
• Hardest Enabled Skill becomes the Easiest Enabled Skill
• Next most difficult available skill becomes the new Hardest Enabled skill
• Child goes through new Hardest Enabled skill with current wordlist, after which Lesson is complete (but not re-evaluated).
2. If the Enabled Skills = the Hardest Available Skills, THEN the child will go to the first Lesson in the next sequential Objective. If the child has triggered an objective change three times out of the last 9-12 consecutive lessons, AND the child has not had a progression prompted assessment within the last week, AND the child's current curriculum placement is before the X part of the curriculum, schedule an Assessment for next session. An update will be sent to the teacher informing her of the Assessment.
If 2 of 2 or 2 of 3 Consecutive Lessons = Failed, apply the following rules in order:
1. If the Enabled Skills for the current LU are not the Easiest Available Skills THEN
• Hardest Enabled Skill is disabled
• Easiest Enabled Skill becomes the Hardest Enabled Skill
• Next least difficult available skill becomes the new Easiest Enabled skill.
2. If the Enabled Skills = the Easiest Available Skills, THEN schedule an assessment for next session. An update will be sent to
All cases (except point 2 under Success above)
Cases 2 under Success above
Start New Lesson: Go to the next Lesson in the same Objective. Same Rules as above.
Start New Lesson: Go to the first Lesson in the next Objective. Same Rules as above.

Figure 3.9.2

1009532 .061802

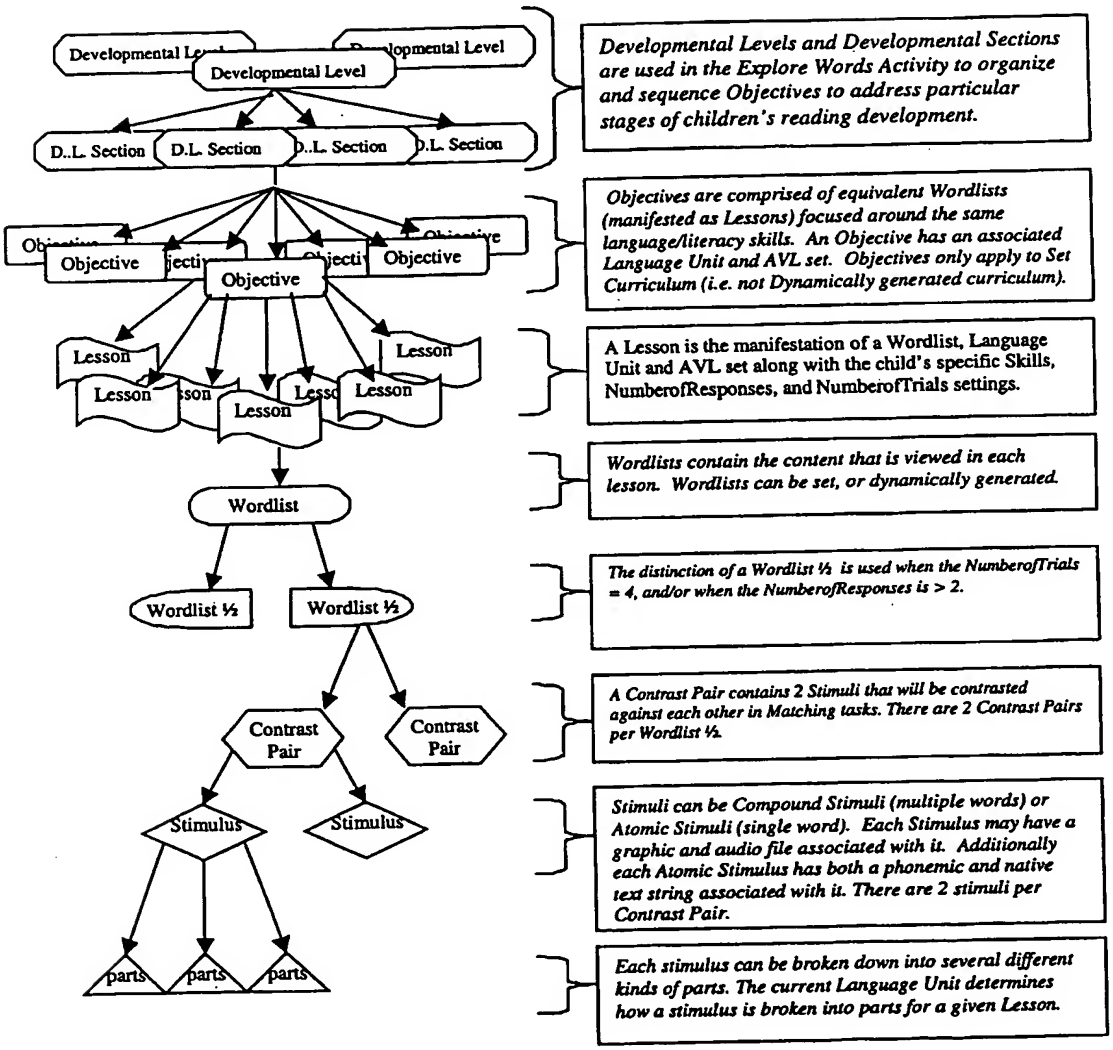


Figure 4.1

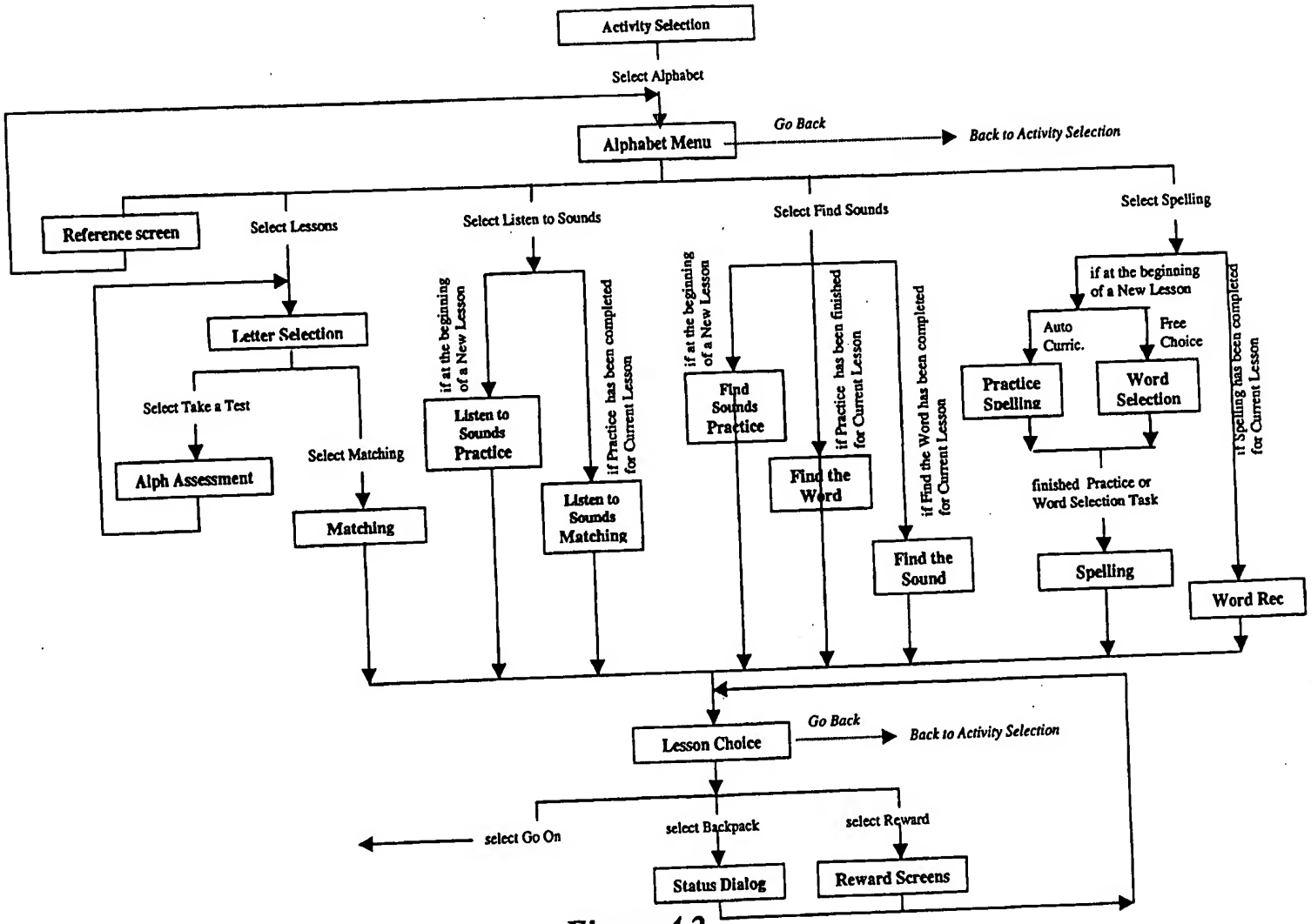

Activity Selection
Select Alphabet
Alphabet Menu
Go Back
Back to Activity Selection
Reference screen
Select Lessons
Select Listen to Sounds
Select Find Sounds
Select Spelling
Letter Selection
Select Take a Test
Alph Assessment
Select Matching
Matching
if at the beginning of a New Lesson
Listen to Sounds Practice
if Practice has been completed for Current Lesson
Listen to Sounds Matching
if at the beginning of a New Lesson
Find Sounds Practice
if Practice has been finished for Current Lesson
Find the Word
if Find the Word has been completed for Current Lesson
Find the Sound
if at the beginning of a New Lesson
Auto Curric.
Free Choice
Practice Spelling
Word Selection
finished Practice or Word Selection Task
Spelling
if Spelling has been completed for Current Lesson
Word Rec
Lesson Choice
Go Back
Back to Activity Selection
select Go On
select Backpack
select Reward
Status Dialog
Reward Screens

Figure 4.2

10090532.061802

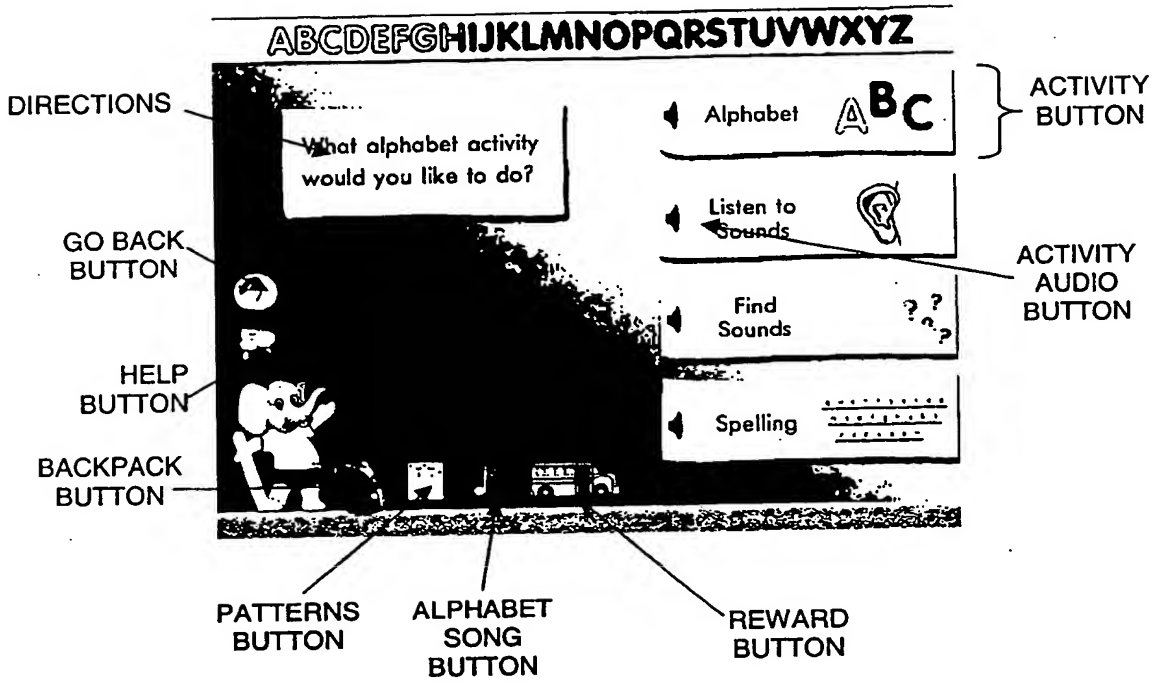


Figure 4.3

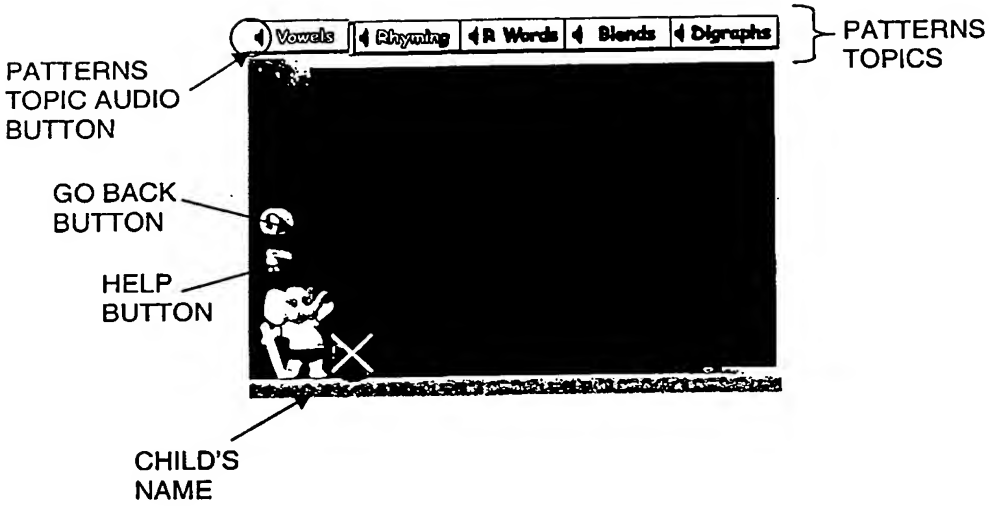

Vowels
Rhyming
R Words
Blends
Digraphs
PATTERNS
TOPICS
PATTERNS
TOPIC AUDIO
BUTTON
GO BACK
BUTTON
HELP
BUTTON
CHILD'S
NAME

Figure 4.4

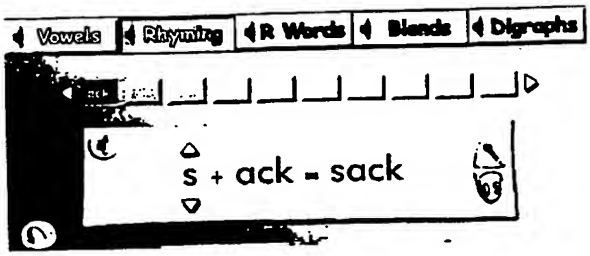


Figure 4.5

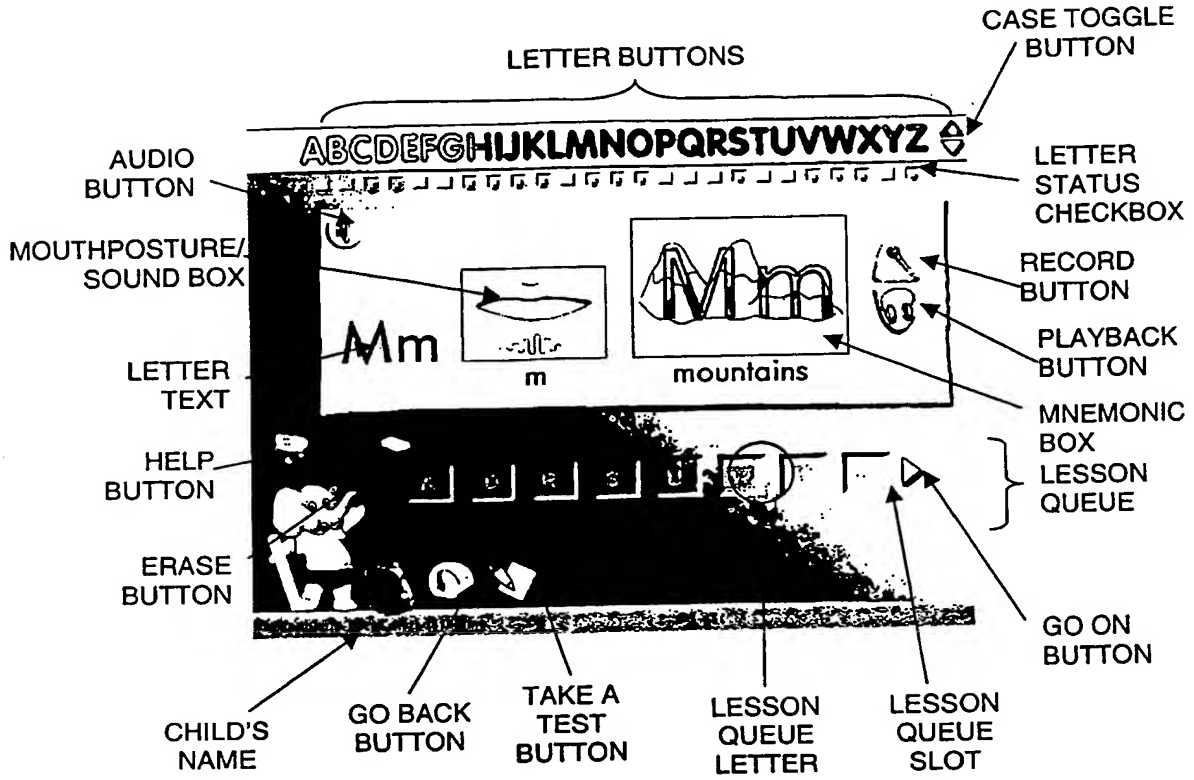

LETTER BUTTONS
CASE TOGGLE BUTTON
ABCDEFGHIJKLMNOPQRSTUVWXYZ
AUDIO BUTTON
LETTER STATUS CHECKBOX
MOUTHPOSTURE/ SOUND BOX
RECORD BUTTON
Mm
m
Mm
mountains
PLAYBACK BUTTON
LETTER TEXT
MNEMONIC BOX
HELP BUTTON
LESSON QUEUE
ERASE BUTTON
GO ON BUTTON
CHILD'S NAME
GO BACK BUTTON
TAKE A TEST BUTTON
LESSON QUEUE LETTER
LESSON QUEUE SLOT

Figure 4.6

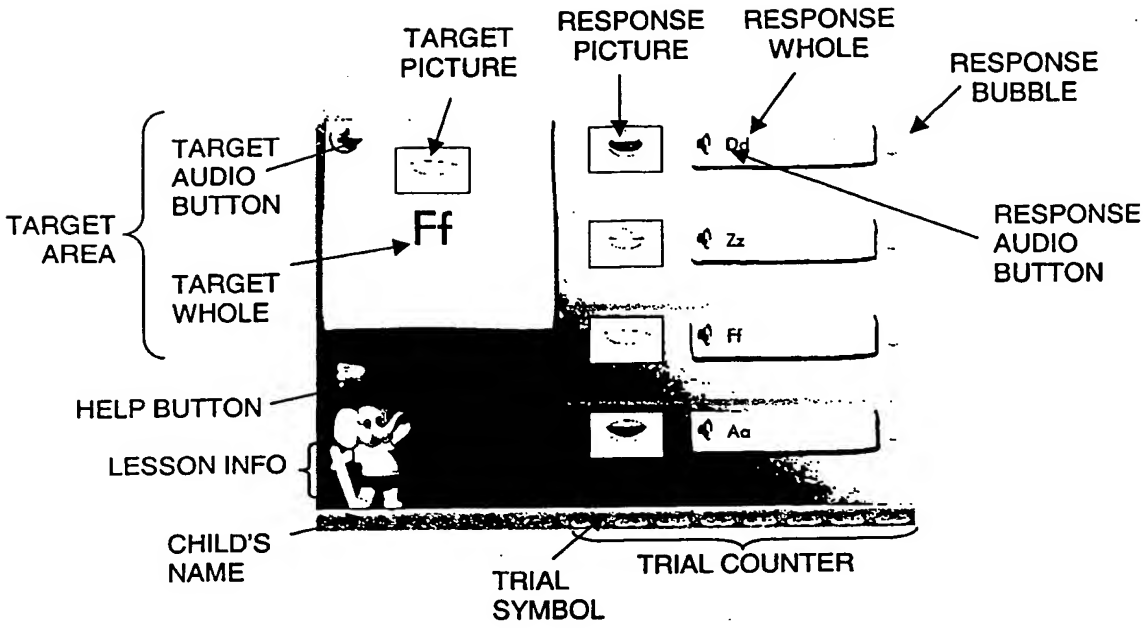

TARGET PICTURE
RESPONSE PICTURE
RESPONSE WHOLE
RESPONSE BUBBLE
TARGET AUDIO BUTTON
TARGET AREA
TARGET WHOLE
Ff
Dd
Zz
Ff
Aa
RESPONSE AUDIO BUTTON
HELP BUTTON
LESSON INFO
CHILD'S NAME
TRIAL SYMBOL
TRIAL COUNTER

Figure 4.7

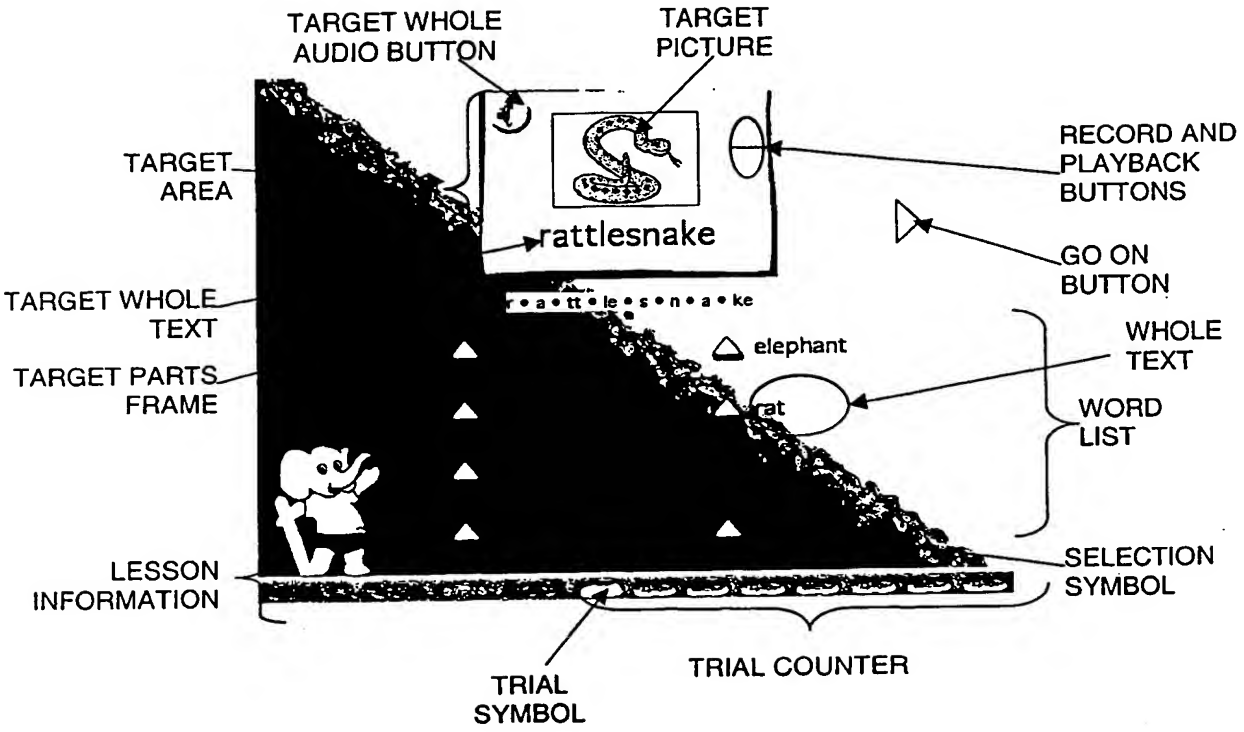

TARGET WHOLE AUDIO BUTTON
TARGET PICTURE
TARGET AREA
RECORD AND PLAYBACK BUTTONS
rattlesnake
GO ON BUTTON
TARGET WHOLE TEXT
elephant
WHOLE TEXT
TARGET PARTS FRAME
rat
WORD LIST
LESSON INFORMATION
SELECTION SYMBOL
TRIAL SYMBOL
TRIAL COUNTER

Figure 4.8

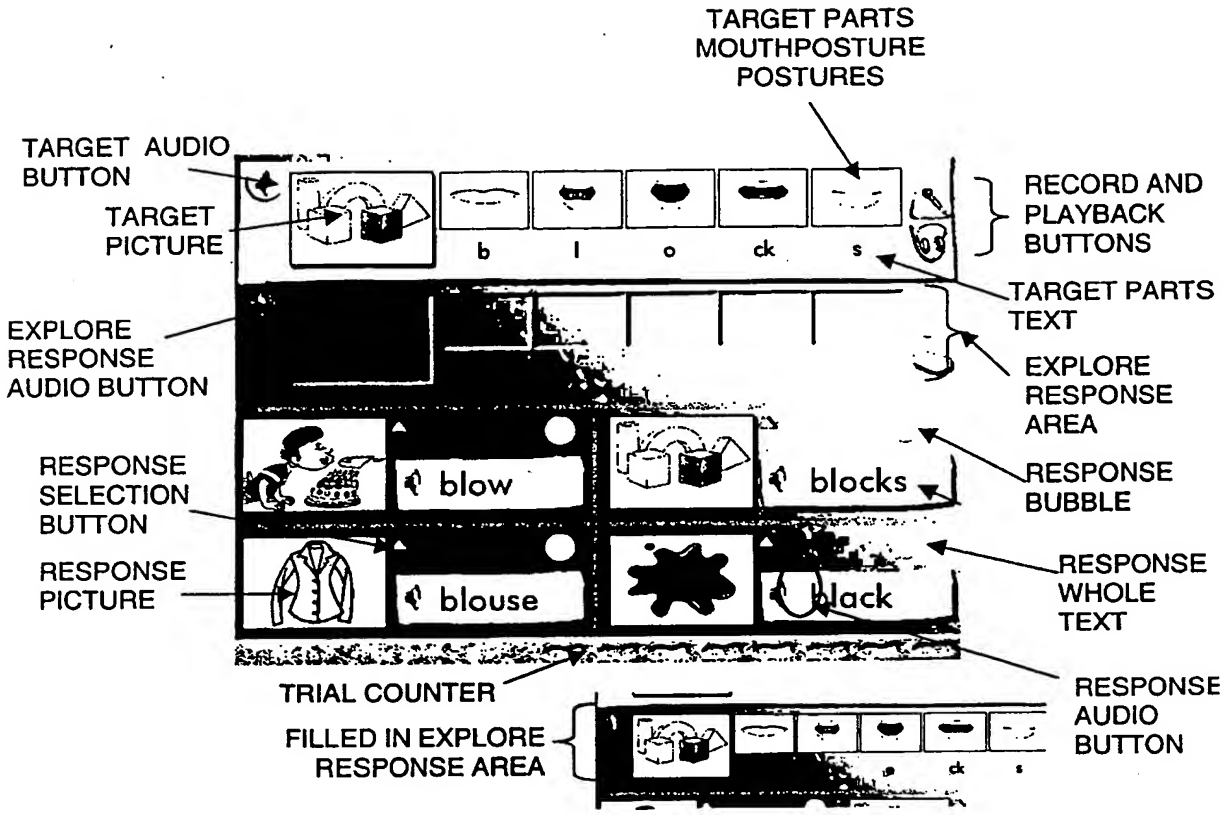

TARGET PARTS
MOUTHPOSTURE
POSTURES
TARGET AUDIO
BUTTON
TARGET
PICTURE
b
l
o
ck
s
RECORD AND
PLAYBACK
BUTTONS
TARGET PARTS
TEXT
EXPLORE
RESPONSE
AUDIO BUTTON
EXPLORE
RESPONSE
AREA
RESPONSE
SELECTION
BUTTON
blow
blocks
RESPONSE
BUBBLE
RESPONSE
PICTURE
blouse
RESPONSE
WHOLE
TEXT
TRIAL COUNTER
RESPONSE
AUDIO
BUTTON
FILLED IN EXPLORE
RESPONSE AREA

Figure 4.9

1009[illegible]32.061802

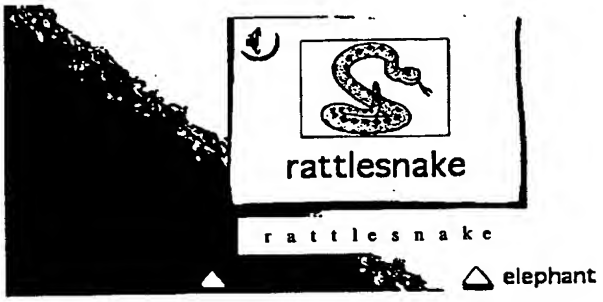


Figure 4.10

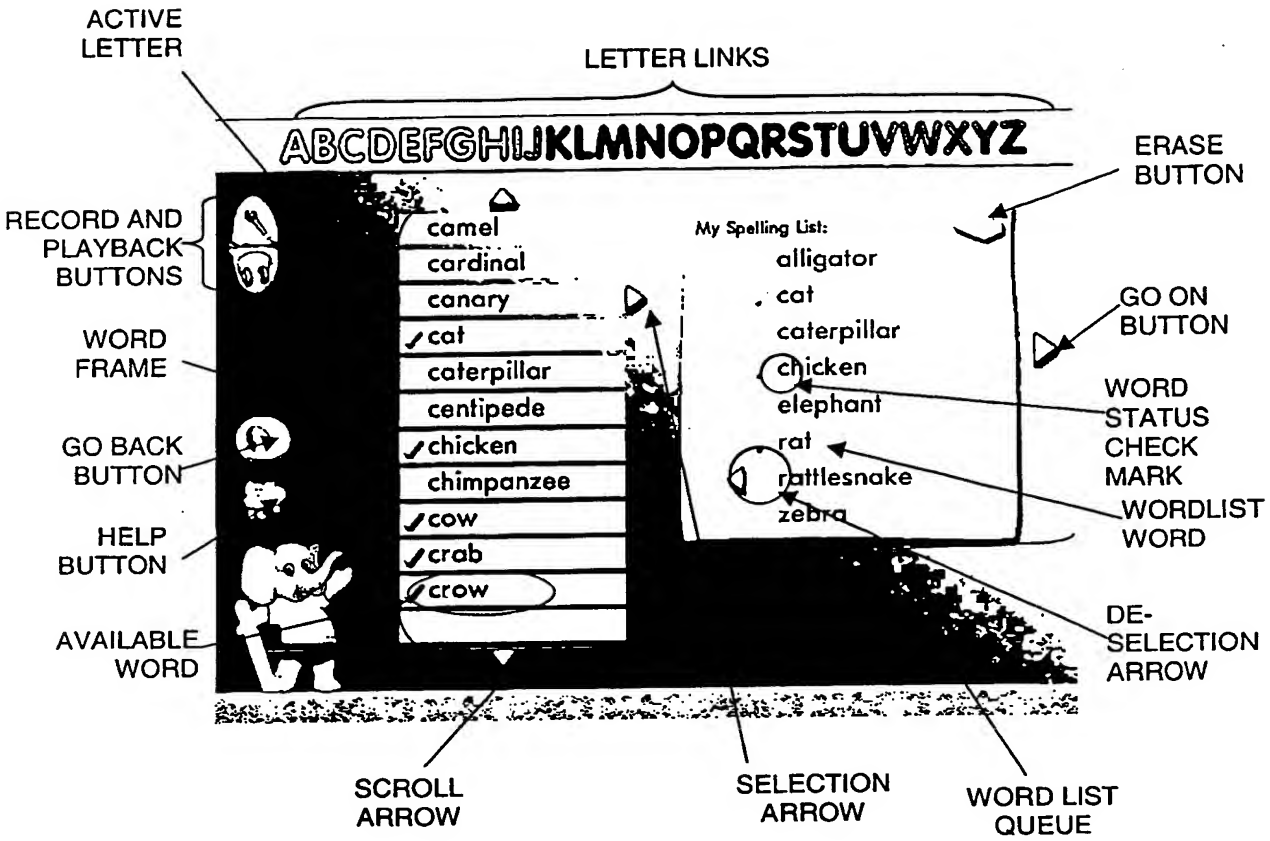

ACTIVE LETTER
LETTER LINKS
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ERASE BUTTON
RECORD AND PLAYBACK BUTTONS
WORD FRAME
GO BACK BUTTON
HELP BUTTON
AVAILABLE WORD
camel
cardinal
canary
cat
caterpillar
centipede
chicken
chimpanzee
cow
crab
crow
My Spelling List:
alligator
cat
caterpillar
chicken
elephant
rat
rattlesnake
zebra
GO ON BUTTON
WORD STATUS CHECK MARK
WORDLIST WORD
DE-SELECTION ARROW
SCROLL ARROW
SELECTION ARROW
WORD LIST QUEUE

Figure 4.11

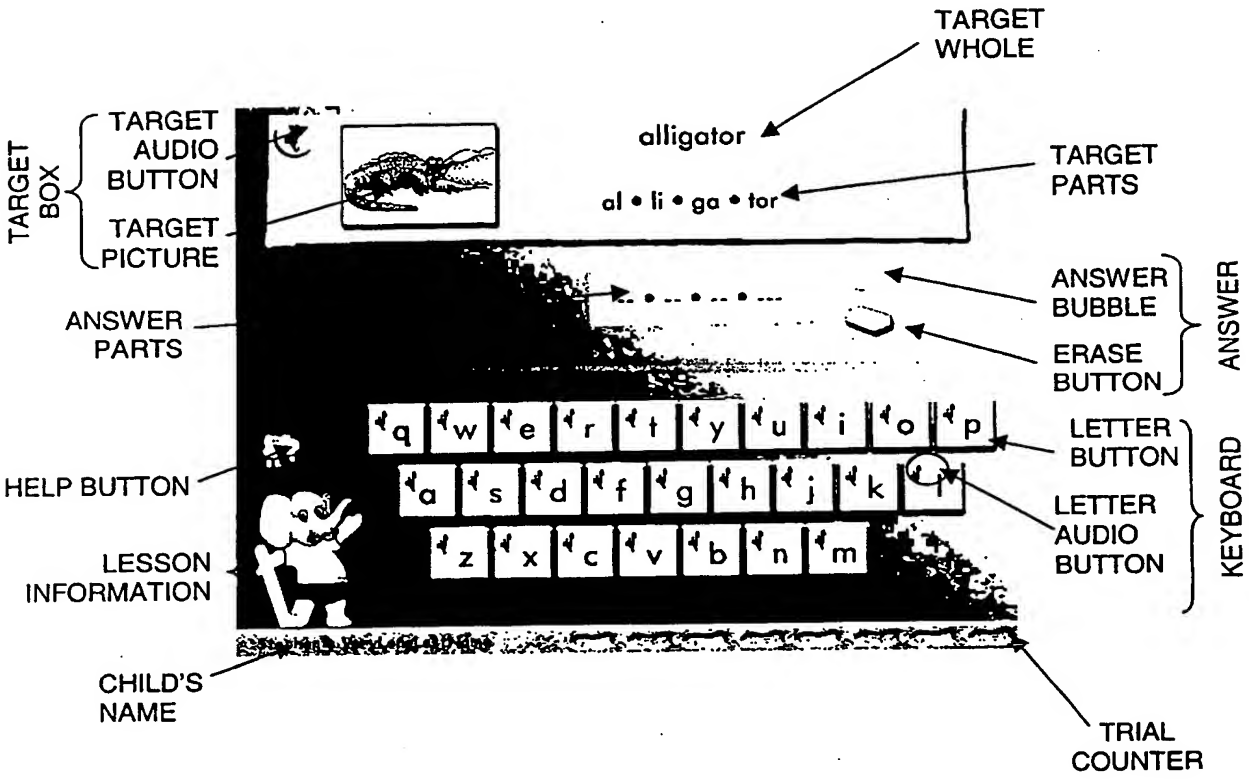

TARGET WHOLE
alligator
al • li • ga • tor
TARGET PARTS
TARGET BOX
TARGET AUDIO BUTTON
TARGET PICTURE
ANSWER PARTS
ANSWER BUBBLE
ERASE BUTTON
ANSWER
HELP BUTTON
LESSON INFORMATION
LETTER BUTTON
LETTER AUDIO BUTTON
KEYBOARD
CHILD'S NAME
TRIAL COUNTER

Figure 4.12

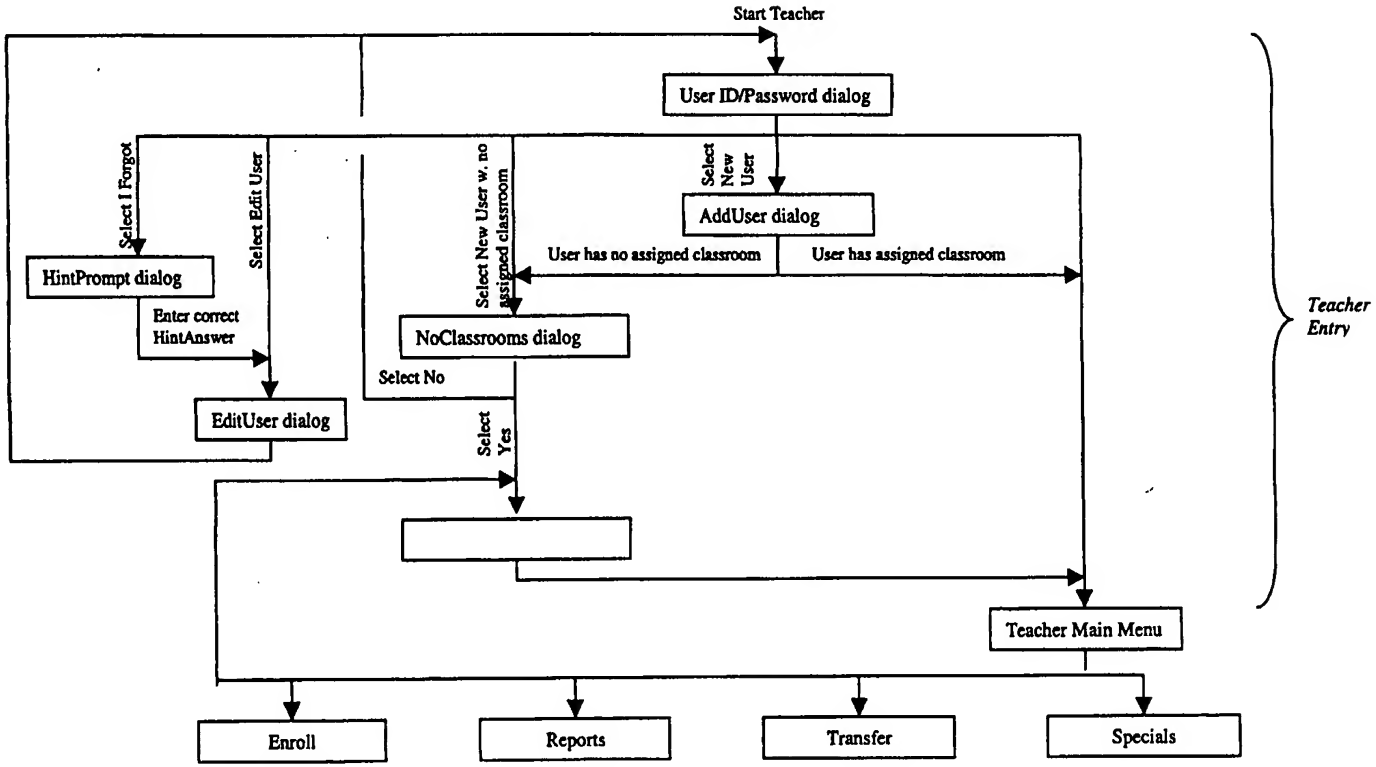

Start Teacher
User ID/Password dialog
Select I Forgot
Select Edit User
Select New User w. no assigned classroom
Select New User
AddUser dialog
User has no assigned classroom
User has assigned classroom
HintPrompt dialog
Enter correct HintAnswer
NoClassrooms dialog
Select No
EditUser dialog
Select Yes
Teacher Main Menu
Enroll
Reports
Transfer
Specials
Teacher Entry

Figure 5.1

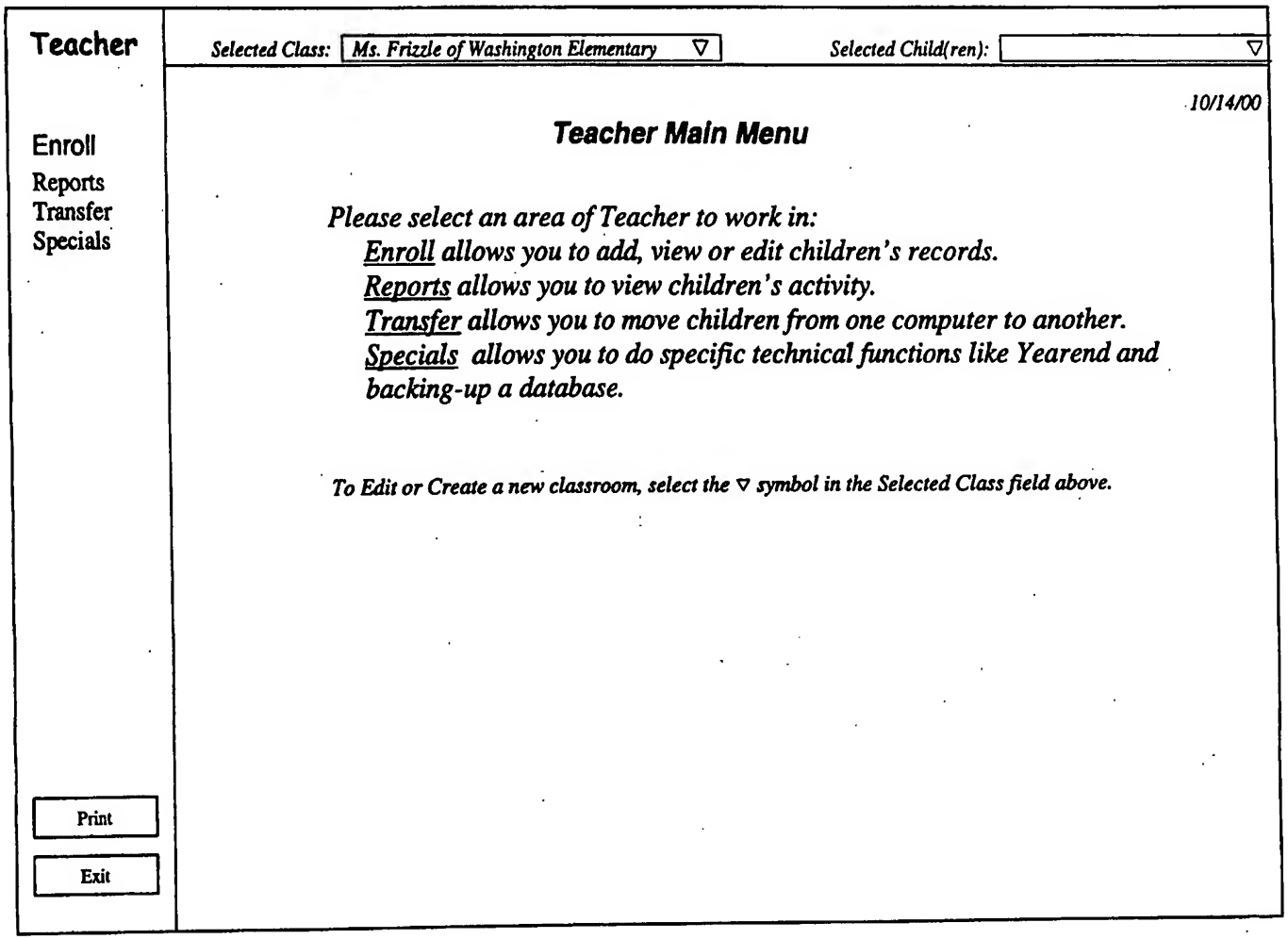

Teacher
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren):
10/14/00
Teacher Main Menu
Enroll
Reports
Transfer
Specials
Please select an area of Teacher to work in:
Enroll allows you to add, view or edit children's records.
Reports allows you to view children's activity.
Transfer allows you to move children from one computer to another.
Specials allows you to do specific technical functions like Yearend and backing-up a database.
To Edit or Create a new classroom, select the ▽ symbol in the Selected Class field above.
Print
Exit

Figure 5.2

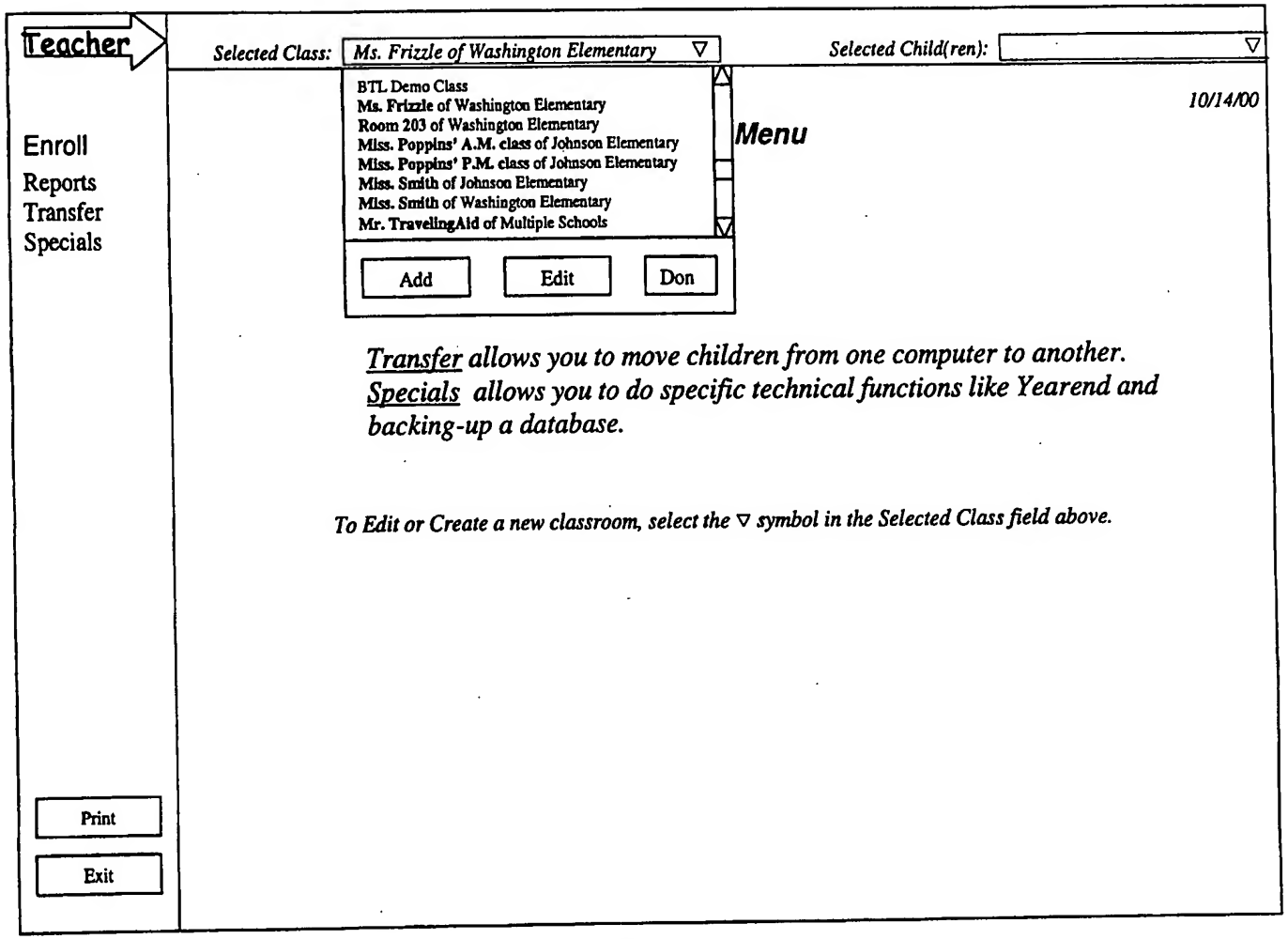


Figure 5.3

1005052-1005102

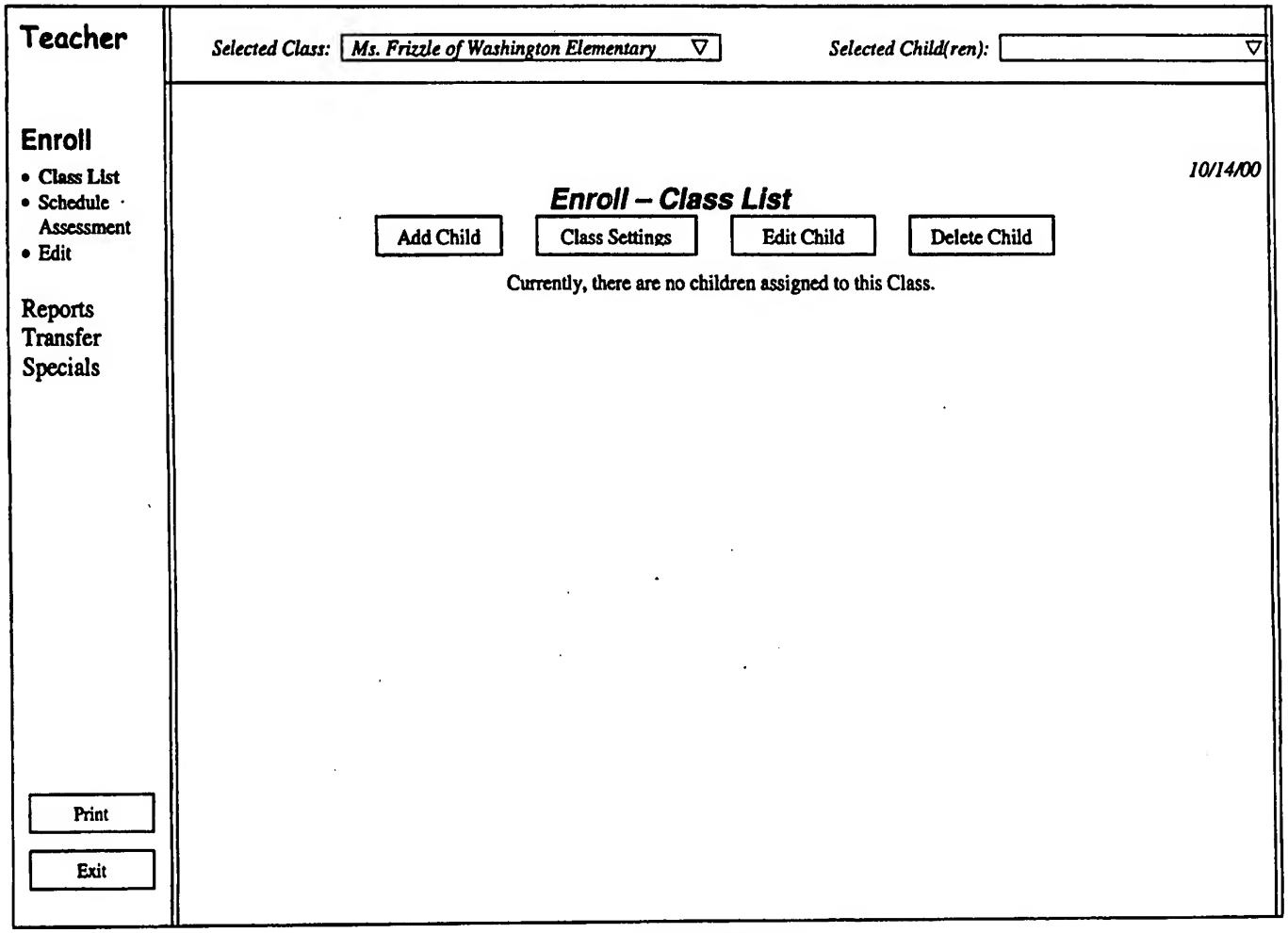


Figure 5.4

LOS-02-0618

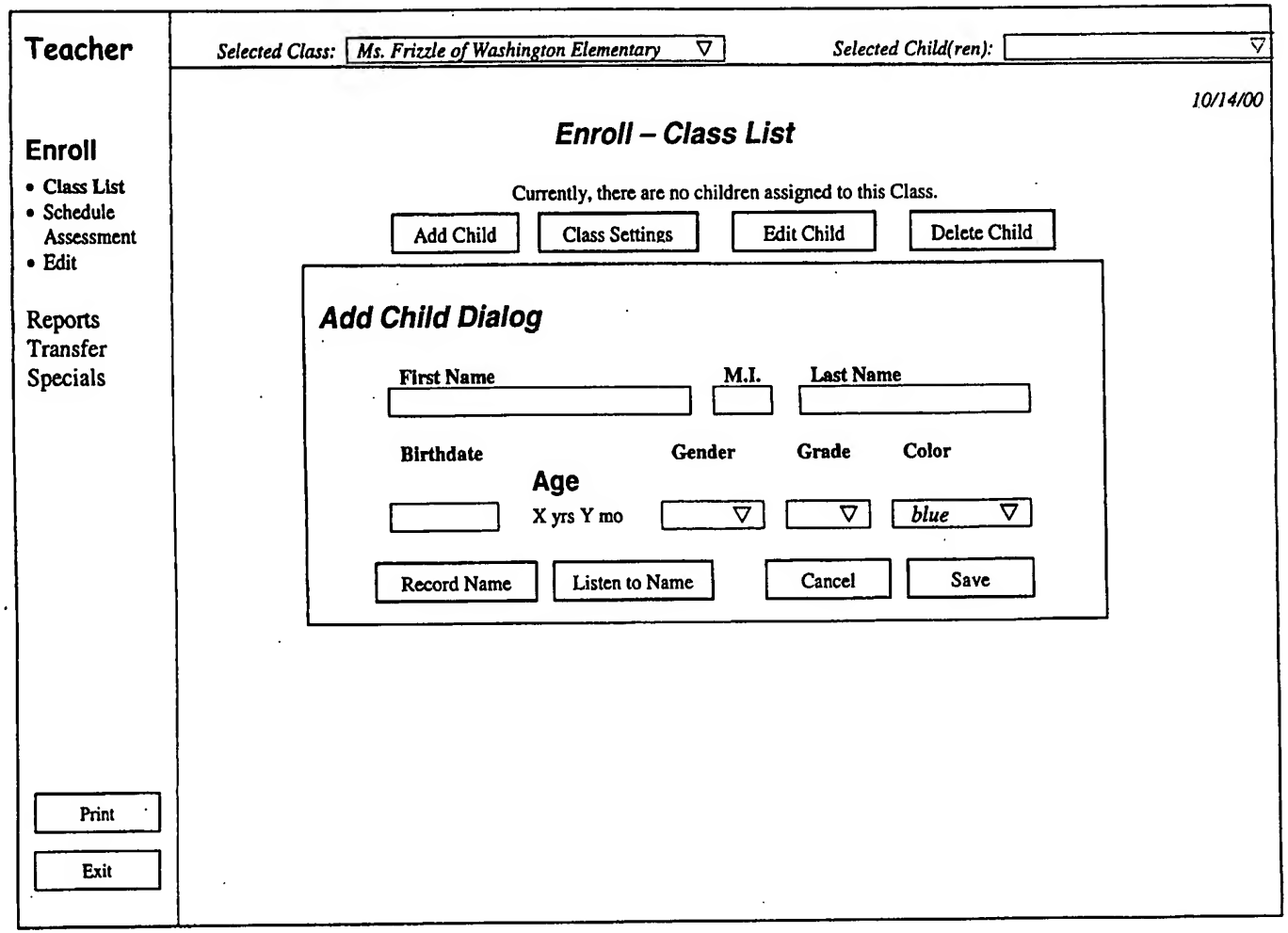

Teacher
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren):
10/14/00
Enroll
• Class List
• Schedule Assessment
• Edit
Reports
Transfer
Specials
Enroll – Class List
Currently, there are no children assigned to this Class.
Add Child
Class Settings
Edit Child
Delete Child
Add Child Dialog
First Name
M.I.
Last Name
Birthdate
Age
X yrs Y mo
Gender
Grade
Color
blue
Record Name
Listen to Name
Cancel
Save
Print
Exit

Figure 5.5

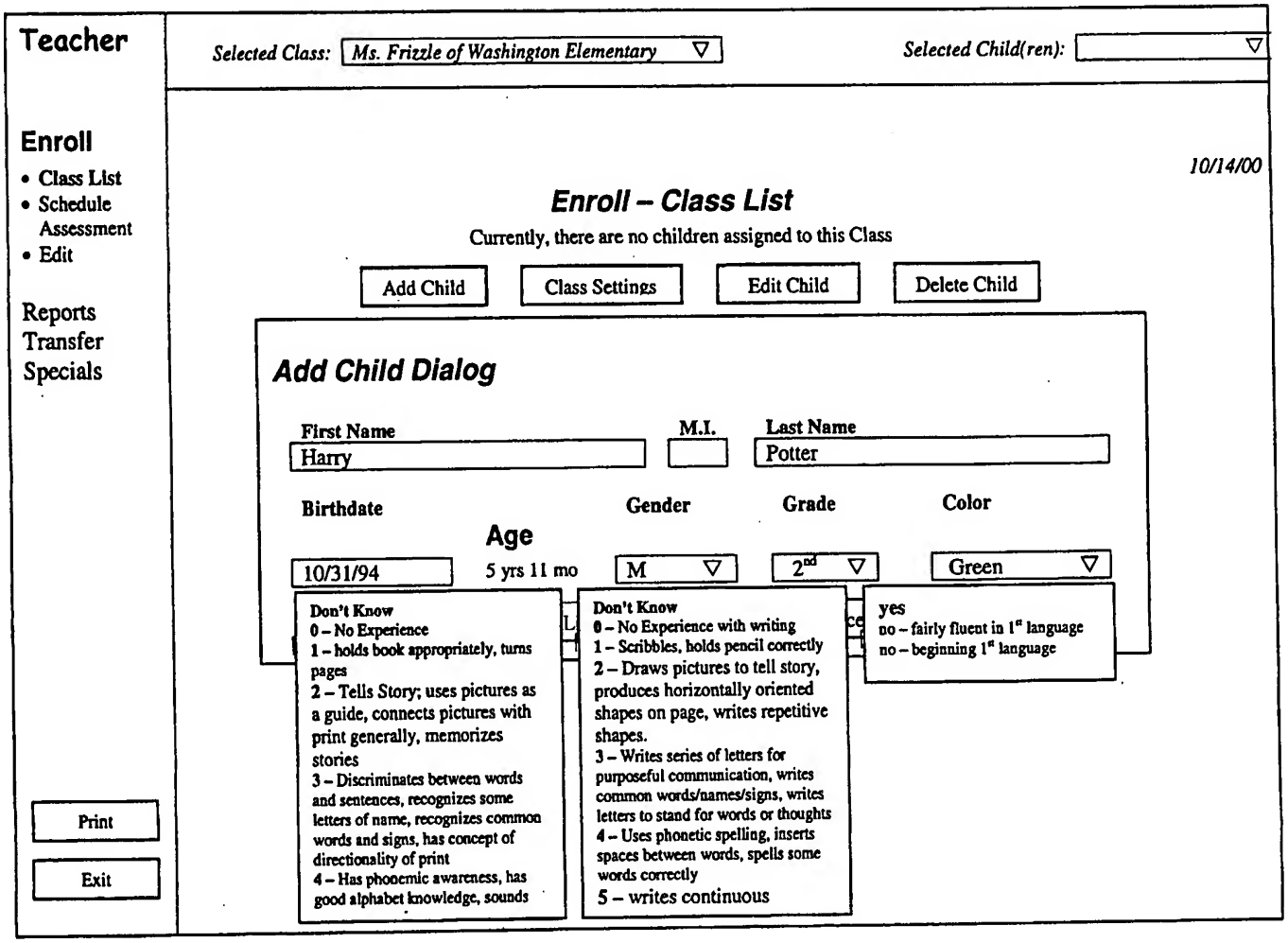
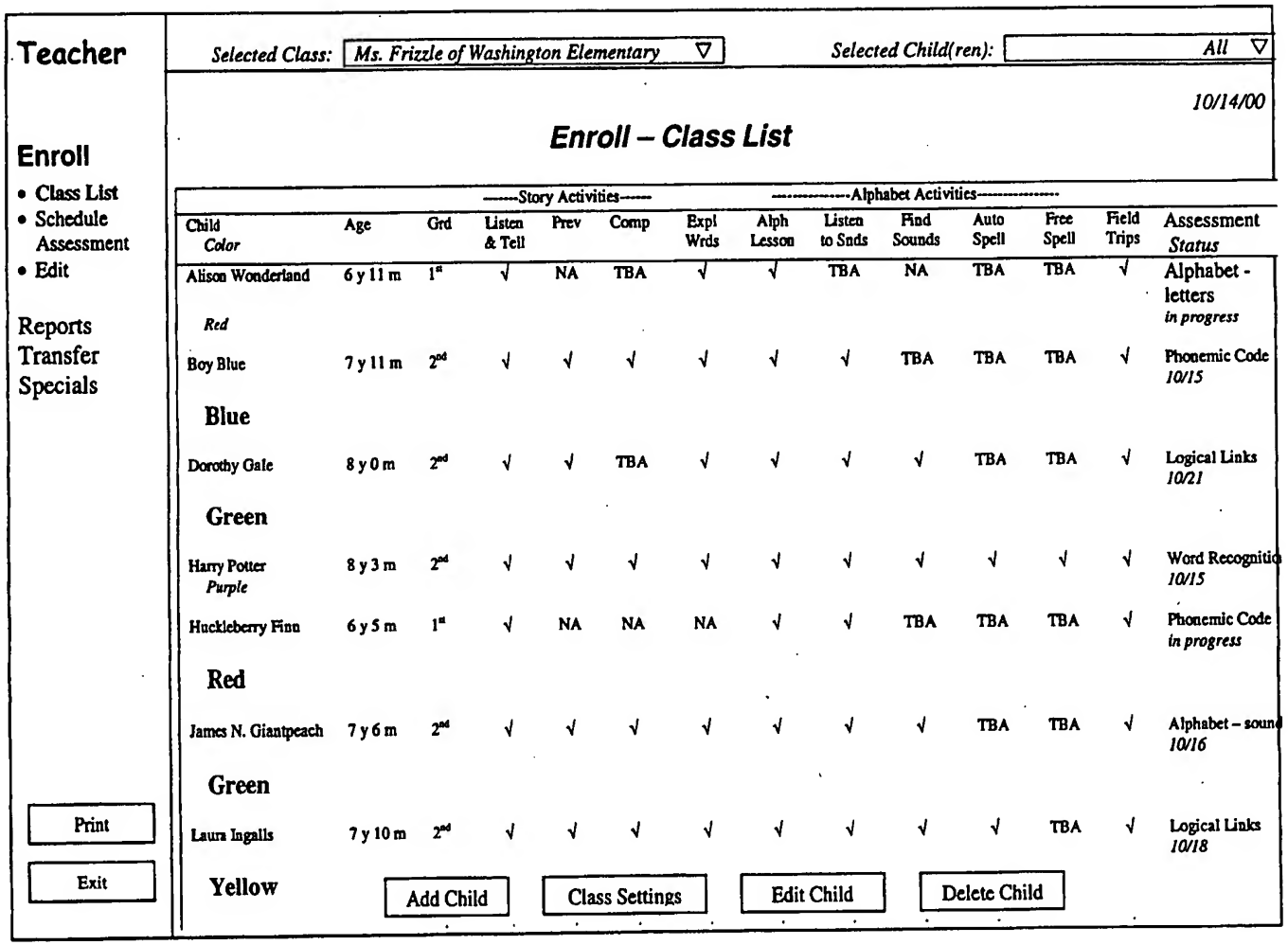

Teacher
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren):
Enroll
• Class List
• Schedule Assessment
• Edit
Reports
Transfer
Specials
10/14/00
Enroll – Class List
Currently, there are no children assigned to this Class
Add Child
Class Settings
Edit Child
Delete Child
Add Child Dialog
First Name
Harry
M.I.
Last Name
Potter
Birthdate
10/31/94
Age
5 yrs 11 mo
Gender
M
Grade
2nd
Color
Green
Don't Know
0 – No Experience
1 – holds book appropriately, turns pages
2 – Tells Story; uses pictures as a guide, connects pictures with print generally, memorizes stories
3 – Discriminates between words and sentences, recognizes some letters of name, recognizes common words and signs, has concept of directionality of print
4 – Has phonemic awareness, has good alphabet knowledge, sounds
Don't Know
0 – No Experience with writing
1 – Scribbles, holds pencil correctly
2 – Draws pictures to tell story, produces horizontally oriented shapes on page, writes repetitive shapes.
3 – Writes series of letters for purposeful communication, writes common words/names/signs, writes letters to stand for words or thoughts
4 – Uses phonetic spelling, inserts spaces between words, spells some words correctly
5 – writes continuous
yes
no – fairly fluent in 1st language
no – beginning 1st language
Print
Exit

Figure 5.6



Child *Color*	Age	Grd	Story Activities: Listen & Tell	Prev	Comp	Expl Wrds	Alphabet Activities: Alph Lesson	Listen to Snds	Find Sounds	Auto Spell	Free Spell	Field Trips	Assessment *Status*
Alison Wonderland	6 y 11 m	1st	√	NA	TBA	√	√	TBA	NA	TBA	TBA	√	Alphabet - letters *in progress*
Red													
Boy Blue	7 y 11 m	2nd	√	√	√	√	√	√	TBA	TBA	TBA	√	Phonemic Code *10/15*
Blue													
Dorothy Gale	8 y 0 m	2nd	√	√	TBA	√	√	√	√	TBA	TBA	√	Logical Links *10/21*
Green													
Harry Potter *Purple*	8 y 3 m	2nd	√	√	√	√	√	√	√	√	√	√	Word Recognitio *10/15*
Huckleberry Finn	6 y 5 m	1st	√	NA	NA	NA	√	√	TBA	TBA	TBA	√	Phonemic Code *in progress*
Red													
James N. Giantpeach	7 y 6 m	2nd	√	√	√	√	√	√	√	TBA	TBA	√	Alphabet – sound *10/16*
Green													
Laura Ingalls	7 y 10 m	2nd	√	√	√	√	√	√	√	√	TBA	√	Logical Links *10/18*
Yellow													

Figure 5.7

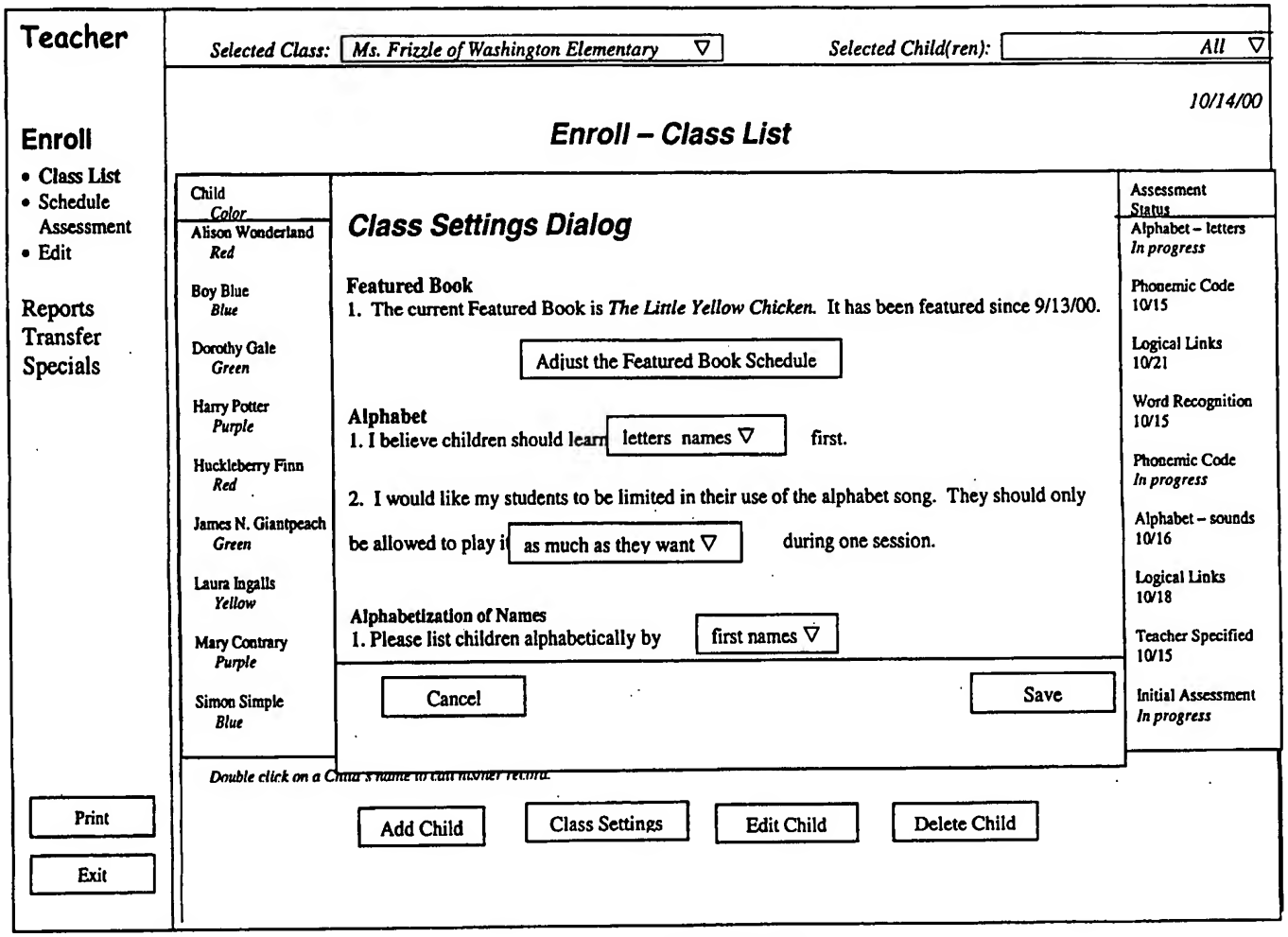

Teacher
Enroll
• Class List
• Schedule Assessment
• Edit
Reports
Transfer
Specials
Print
Exit
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): All
10/14/00
Enroll – Class List
Child
Color
Alison Wonderland
Red
Boy Blue
Blue
Dorothy Gale
Green
Harry Potter
Purple
Huckleberry Finn
Red
James N. Giantpeach
Green
Laura Ingalls
Yellow
Mary Contrary
Purple
Simon Simple
Blue
Class Settings Dialog
Featured Book
1. The current Featured Book is The Little Yellow Chicken. It has been featured since 9/13/00.
Adjust the Featured Book Schedule
Alphabet
1. I believe children should learn letters names first.
2. I would like my students to be limited in their use of the alphabet song. They should only be allowed to play it as much as they want during one session.
Alphabetization of Names
1. Please list children alphabetically by first names
Cancel
Save
Assessment Status
Alphabet – letters
In progress
Phonemic Code
10/15
Logical Links
10/21
Word Recognition
10/15
Phonemic Code
In progress
Alphabet – sounds
10/16
Logical Links
10/18
Teacher Specified
10/15
Initial Assessment
In progress
Double click on a Child's name to edit his/her record.
Add Child
Class Settings
Edit Child
Delete Child

Figure 5.8

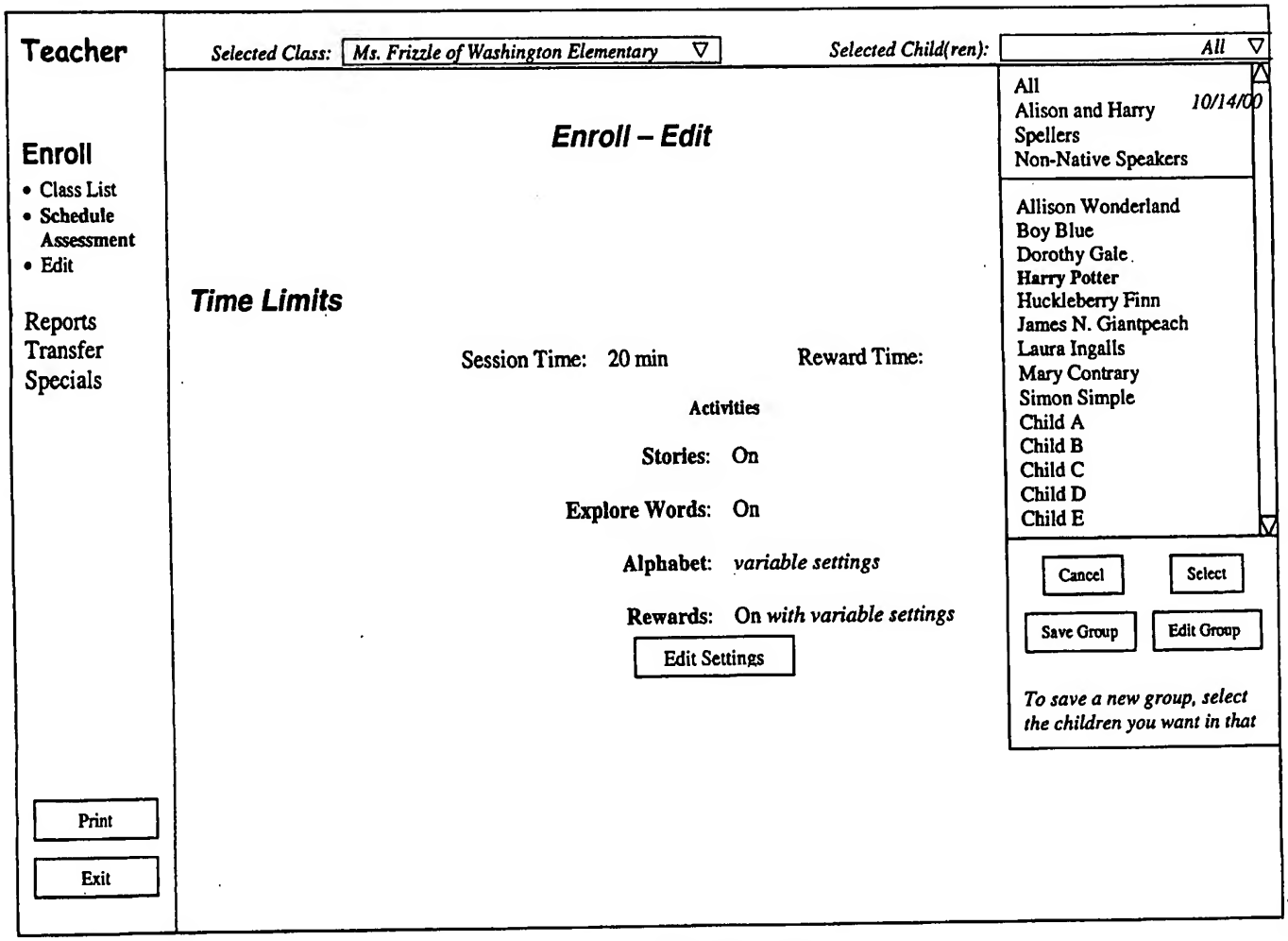

Teacher
Enroll
• Class List
• Schedule Assessment
• Edit
Reports
Transfer
Specials
Print
Exit
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): All
Enroll – Edit
Time Limits
Session Time: 20 min
Reward Time:
Activities
Stories: On
Explore Words: On
Alphabet: variable settings
Rewards: On with variable settings
Edit Settings
All
Alison and Harry Spellers
Non-Native Speakers
10/14/00
Allison Wonderland
Boy Blue
Dorothy Gale
Harry Potter
Huckleberry Finn
James N. Giantpeach
Laura Ingalls
Mary Contrary
Simon Simple
Child A
Child B
Child C
Child D
Child E
Cancel
Select
Save Group
Edit Group
To save a new group, select the children you want in that

Figure 5.9

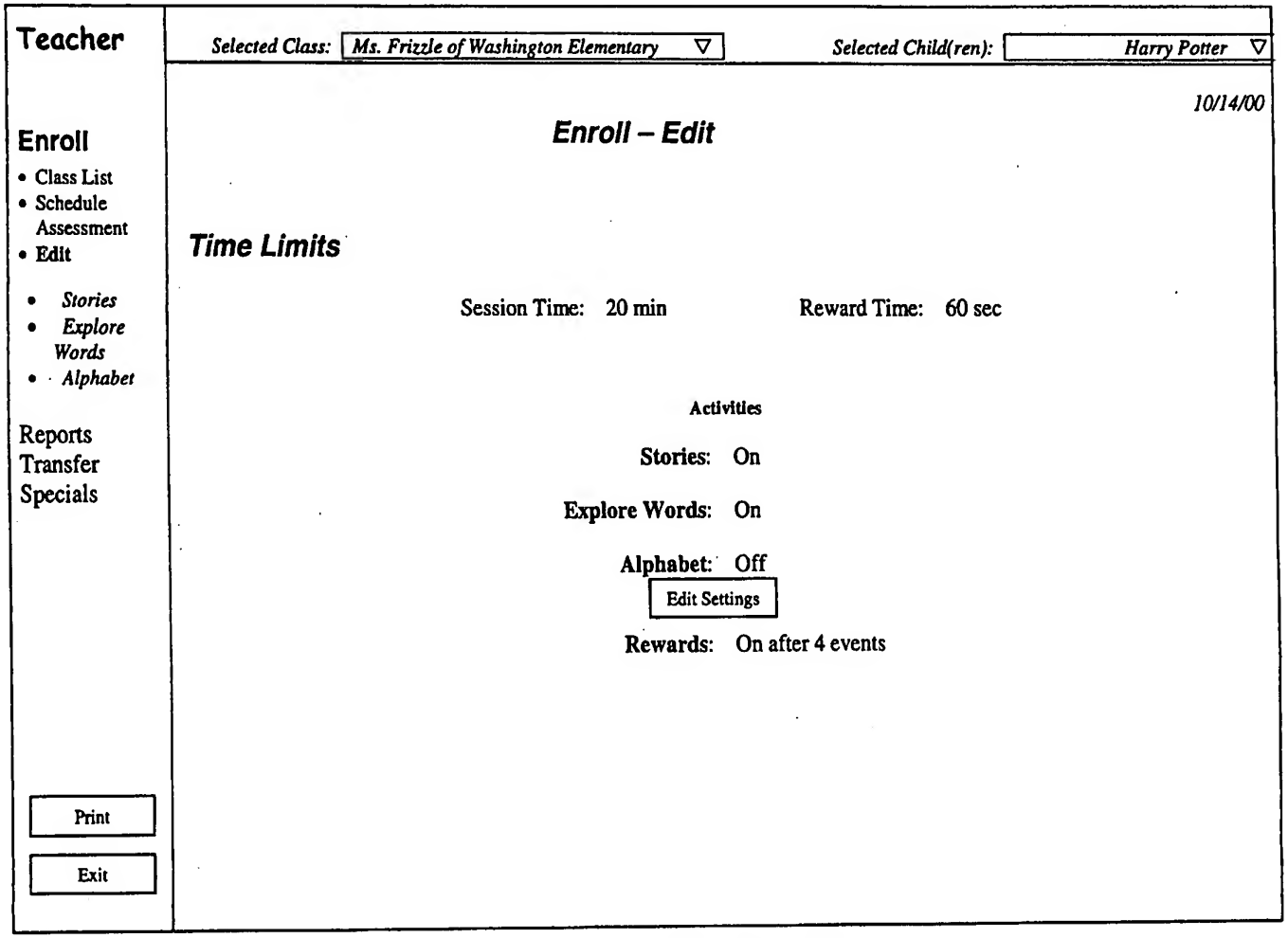

Teacher
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): Harry Potter
10/14/00
Enroll
• Class List
• Schedule Assessment
• Edit
• Stories
• Explore Words
• Alphabet
Reports
Transfer
Specials
Enroll – Edit
Time Limits
Session Time: 20 min
Reward Time: 60 sec
Activities
Stories: On
Explore Words: On
Alphabet: Off
Edit Settings
Rewards: On after 4 events
Print
Exit

Figure 5.10

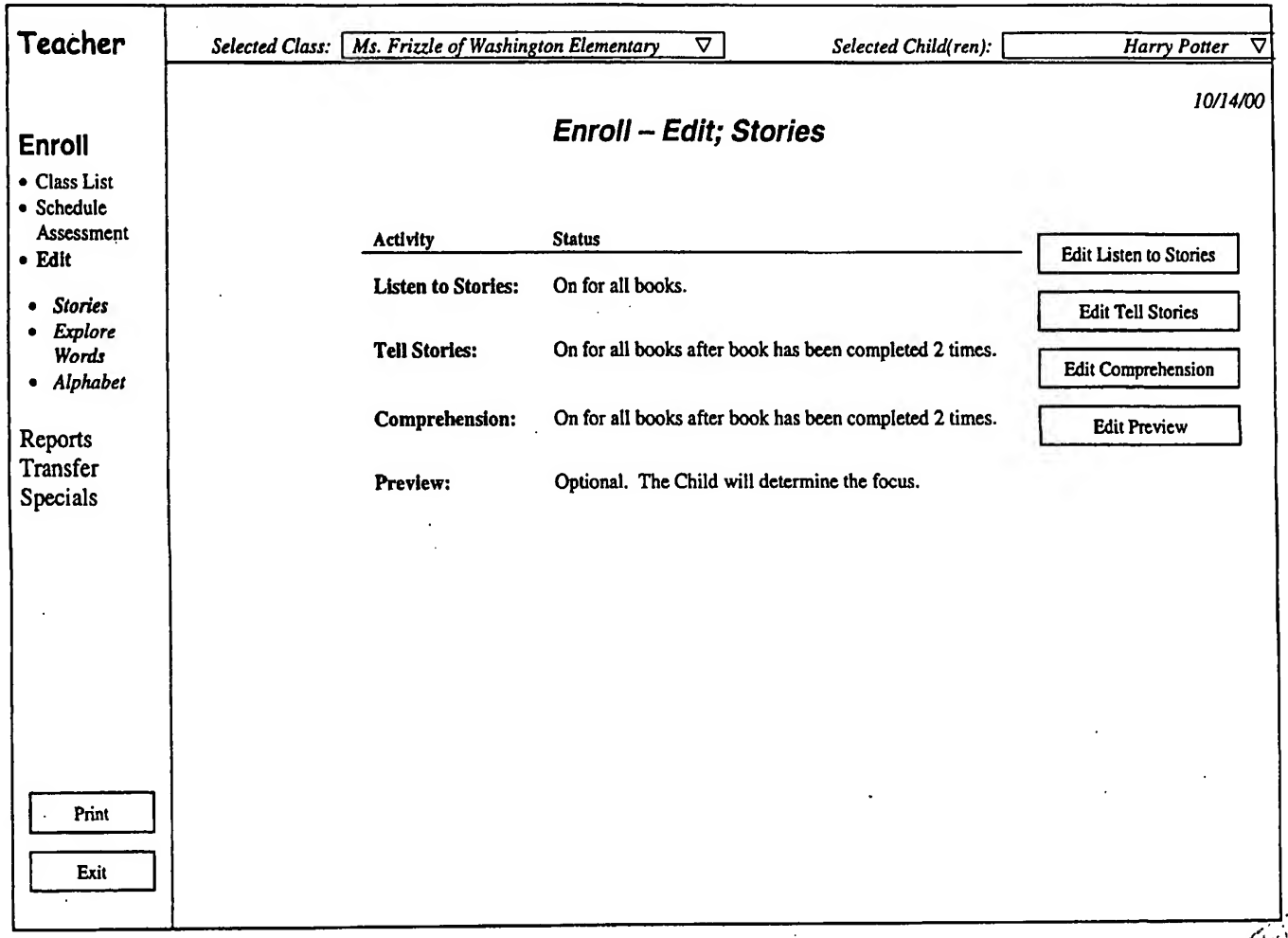


Figure 5.11

EDS07132-050802

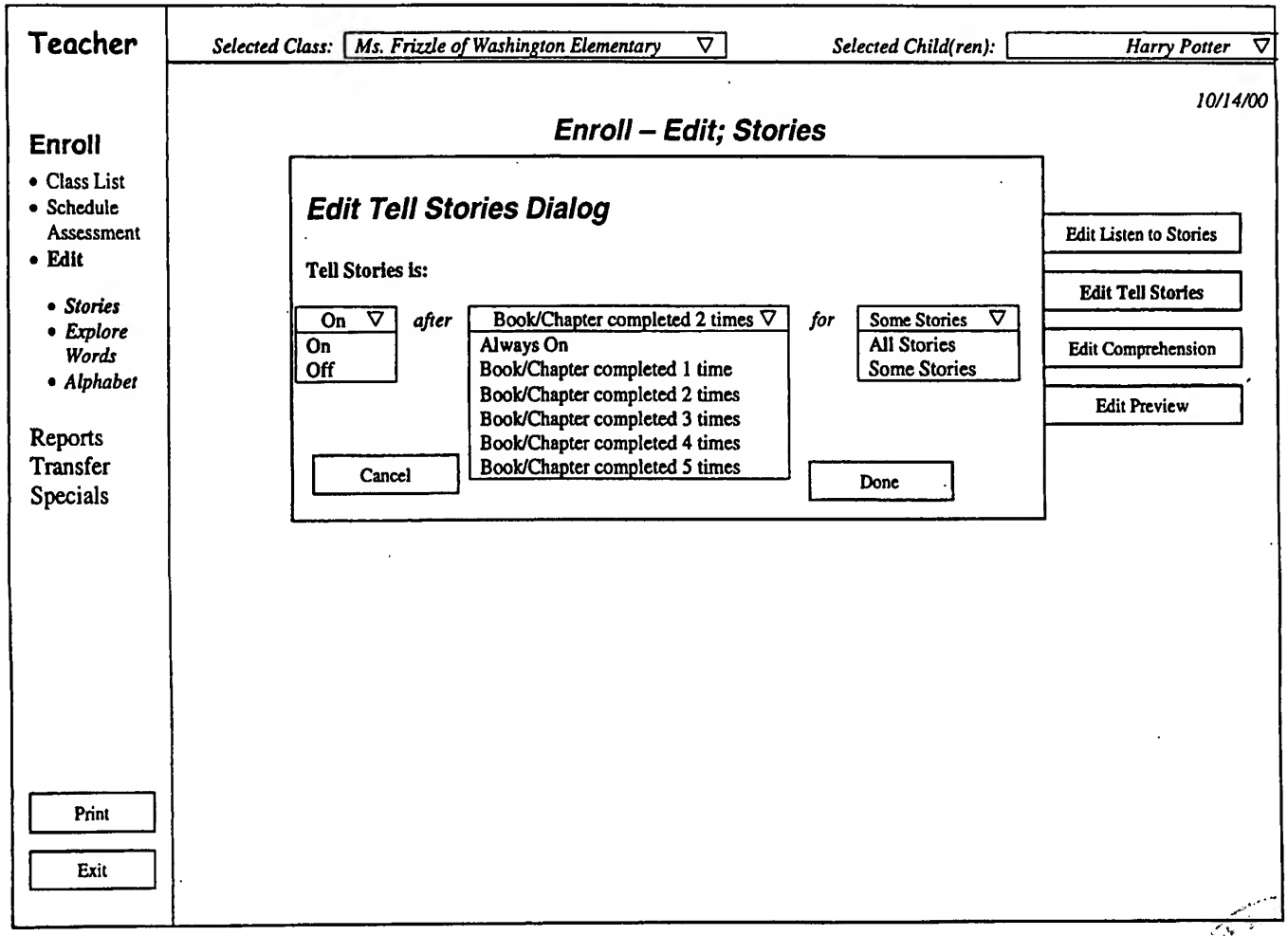

Teacher
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): Harry Potter
10/14/00
Enroll
• Class List
• Schedule Assessment
• Edit
• Stories
• Explore Words
• Alphabet
Reports
Transfer
Specials
Print
Exit
Enroll – Edit; Stories
Edit Tell Stories Dialog
Tell Stories is:
On
Off
after
Book/Chapter completed 2 times
Always On
Book/Chapter completed 1 time
Book/Chapter completed 2 times
Book/Chapter completed 3 times
Book/Chapter completed 4 times
Book/Chapter completed 5 times
for
Some Stories
All Stories
Some Stories
Cancel
Done
Edit Listen to Stories
Edit Tell Stories
Edit Comprehension
Edit Preview

Figure 5.12

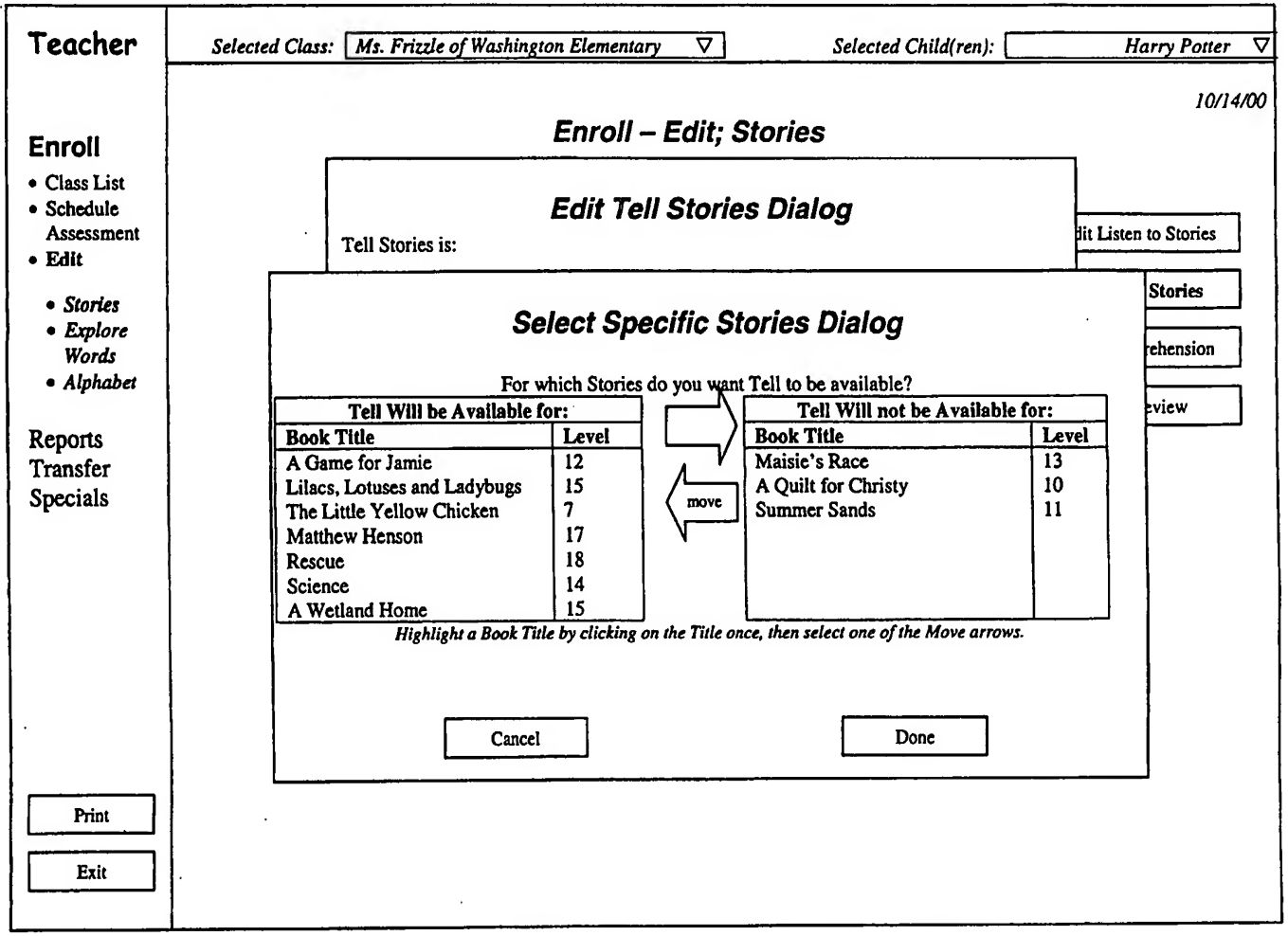

Teacher
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): Harry Potter
10/14/00
Enroll
• Class List
• Schedule Assessment
• Edit
• Stories
• Explore Words
• Alphabet
Reports
Transfer
Specials
Print
Exit
Enroll – Edit; Stories
Edit Tell Stories Dialog
Tell Stories is:
dit Listen to Stories
Stories
ehension
eview
Select Specific Stories Dialog
For which Stories do you want Tell to be available?
Tell Will be Available for:
Book Title | Level
A Game for Jamie | 12
Lilacs, Lotuses and Ladybugs | 15
The Little Yellow Chicken | 7
Matthew Henson | 17
Rescue | 18
Science | 14
A Wetland Home | 15
move
Tell Will not be Available for:
Book Title | Level
Maisie's Race | 13
A Quilt for Christy | 10
Summer Sands | 11
Highlight a Book Title by clicking on the Title once, then select one of the Move arrows.
Cancel
Done

Figure 5.13

Teacher Flow Chart

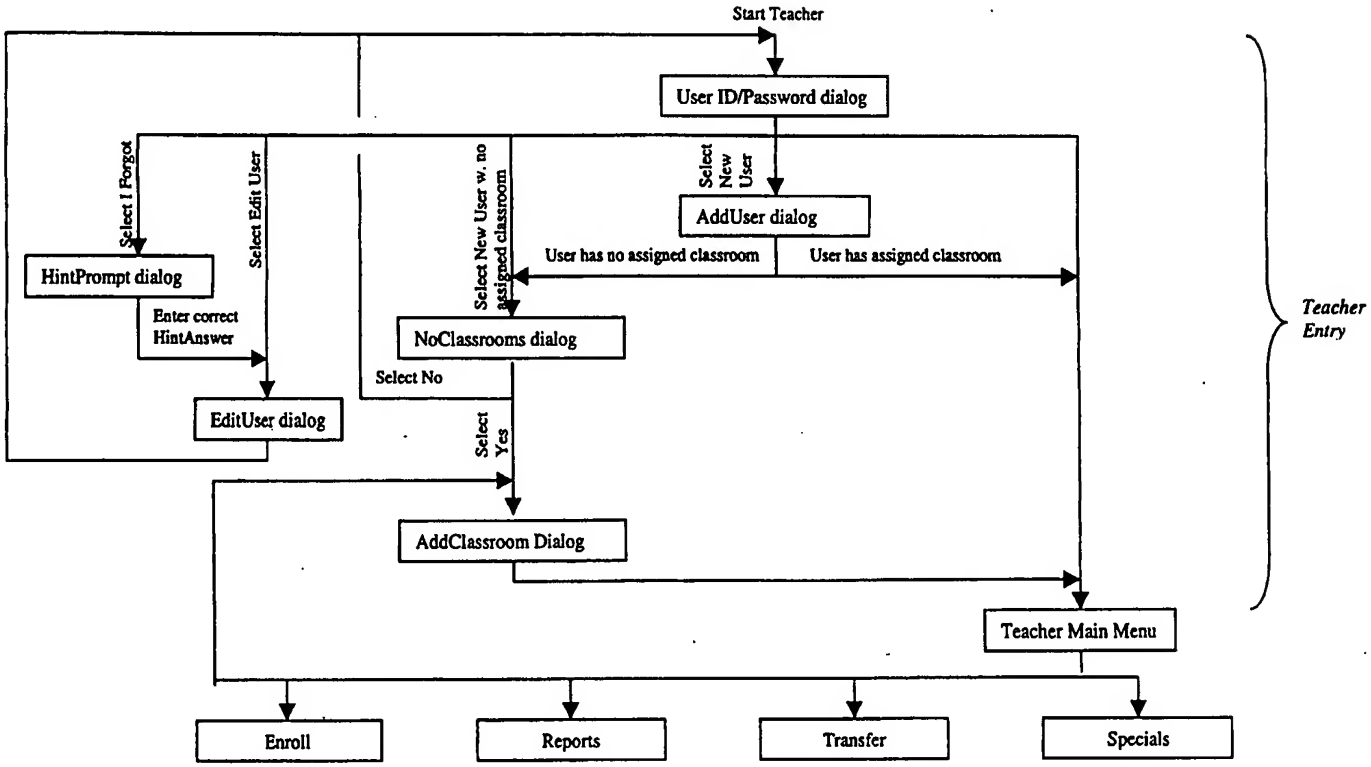


Figure 6.1

1005036-0521802

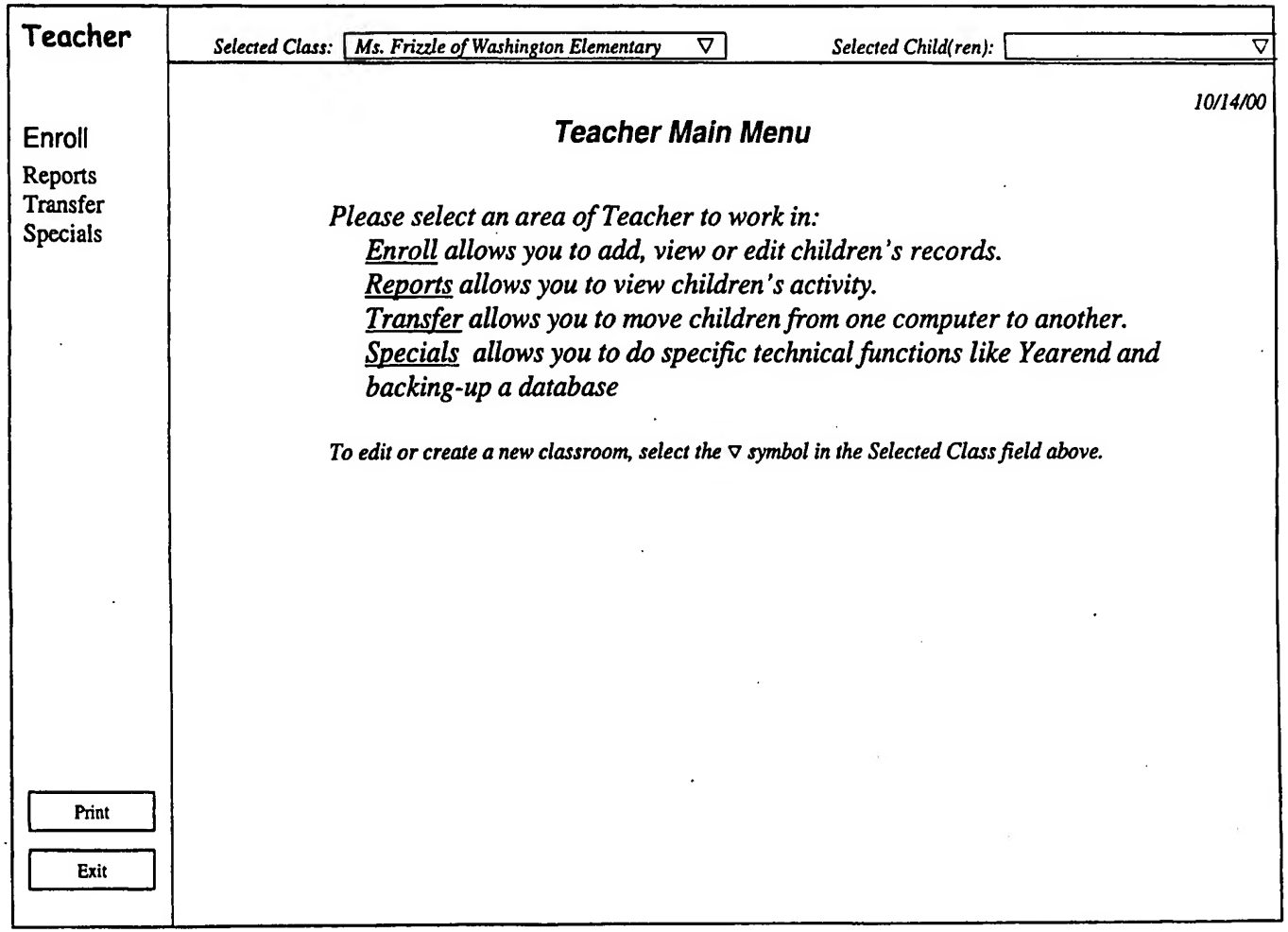


Figure 6.2

EXHIBIT 2093 - 0516502

Key:
⇨ indicates roll over data available (disappears after curser leaves spot)
= indicates a list is available
⩛ indicates the table can be expanded to include more data
⩓ indicates the table can be retracted to include less data

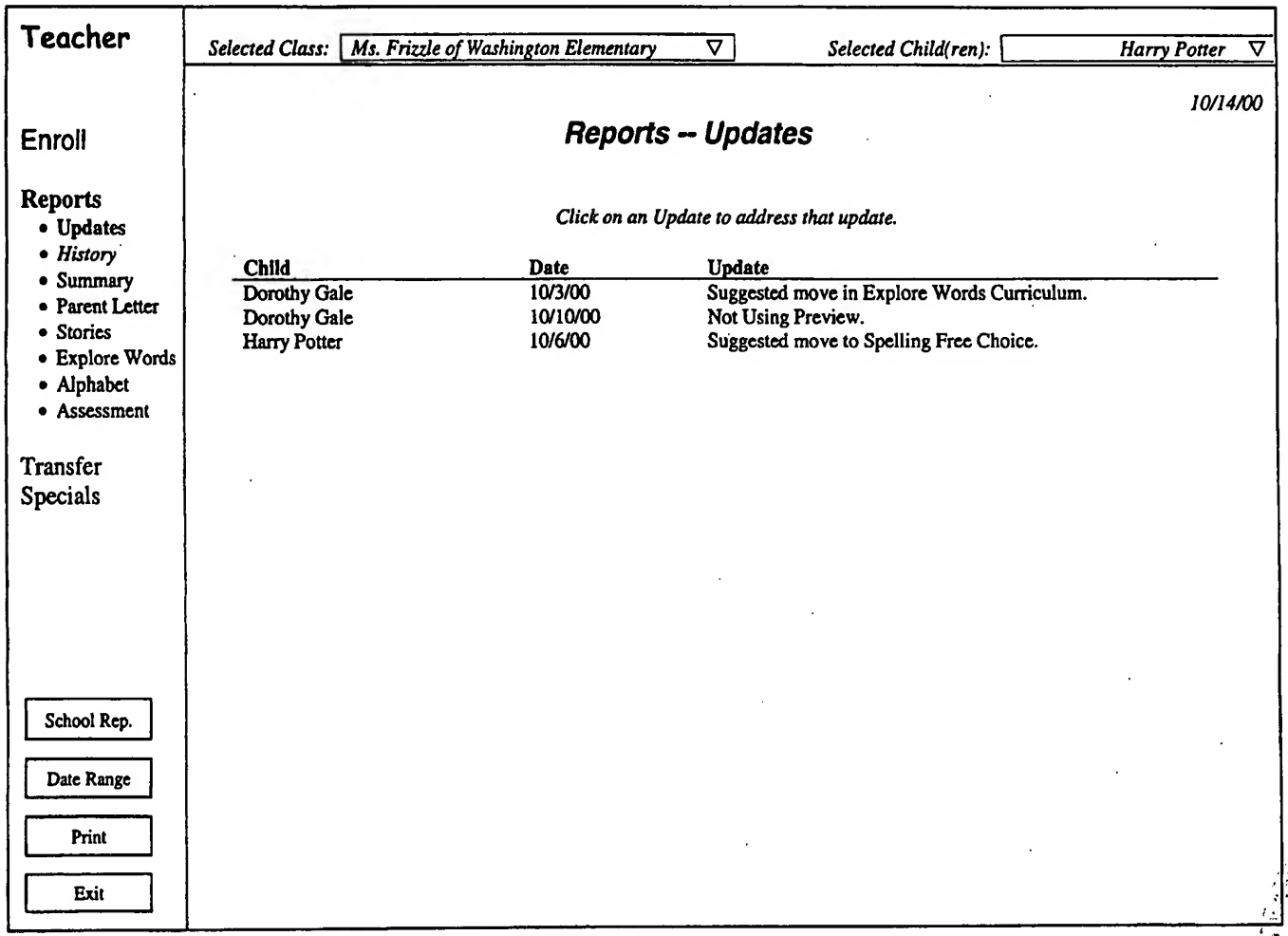


Figure 6.3

P0050252-0252

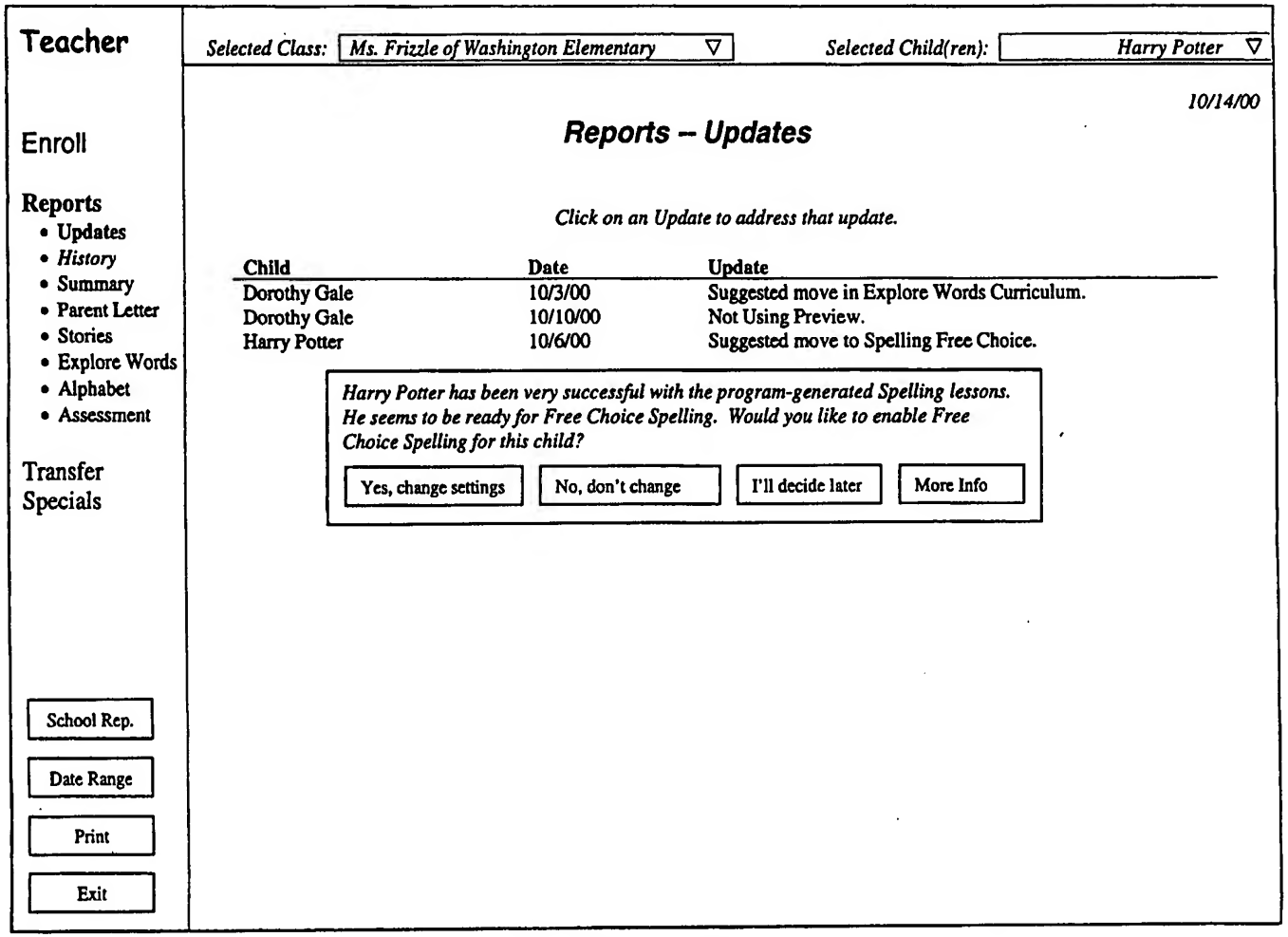


Figure 6.4

EDS-05-1802

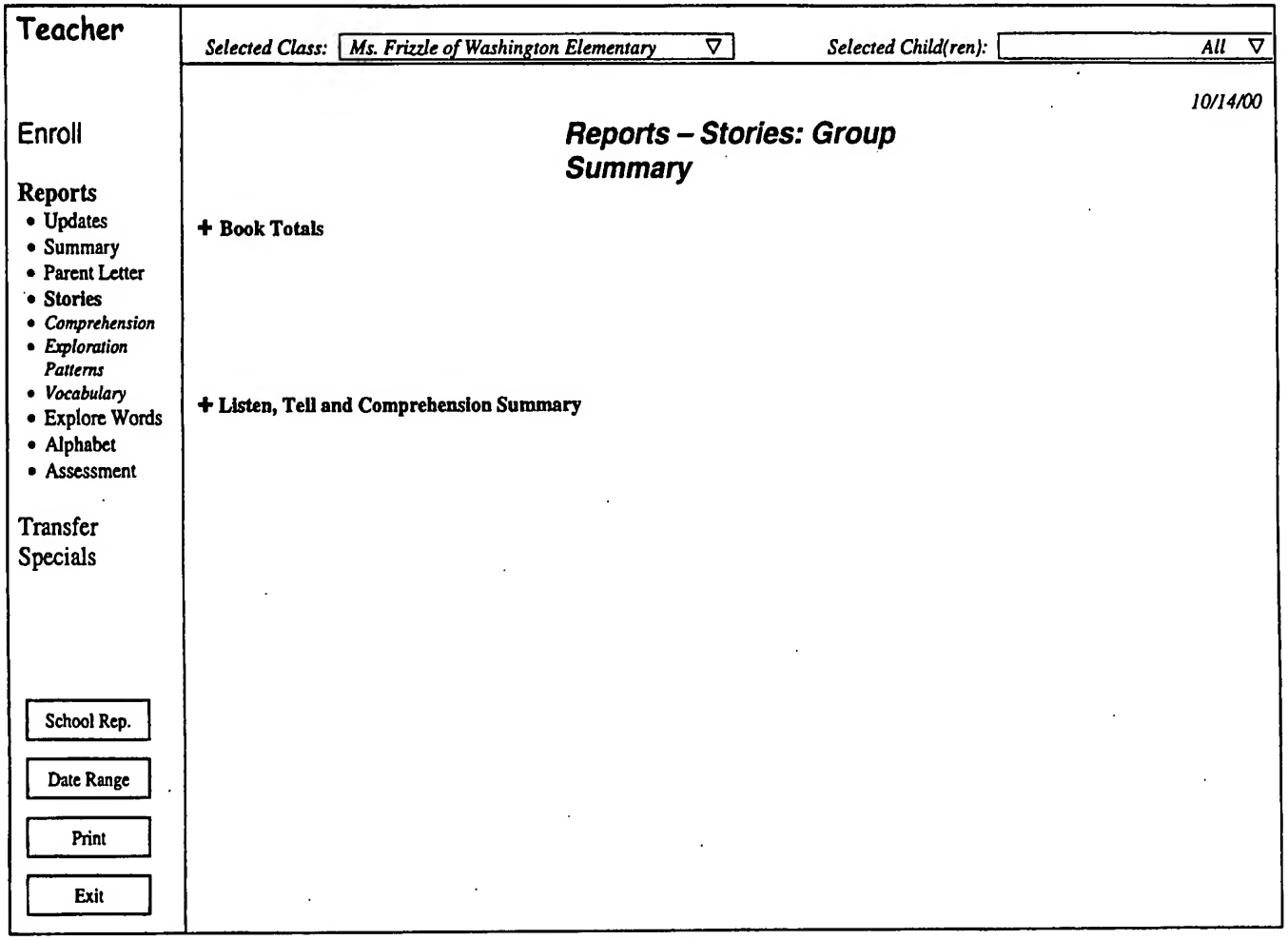


Figure 6.5

1005073202 - 061802

Teacher

Enroll

Reports
- Updates
- Summary
- Parent Letter
- Stories
- *Comprehension*
- *Exploration Patterns*
- *Vocabulary*
- Explore Words
- Alphabet
- Assessment

Transfer Specials

School Rep.

Date Range

Print

Exit

Selected Class: Ms. Frizzle of Washington Elementary ▽ *Selected Child(ren):* All ▽

10/14/00

Reports – Stories: Group Summary

— Book Totals

		Fiction				Non-Fiction			
	Total	Adventures	Folktales	Friendships	Poetry	Biography	Living Things	Making History	Science
# Bks/Chpt Finished	320	29	28	40	42	55	42	16	68
# Bks/Chpt Started	127	12	6	2	12	20	10	24	41

— Story Activity Overview

Time | Explorations | Support Snapshot

Child

Time

	Total	Listen	Tell	Preview	Vocabulary	Comprehension
Average	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Allison Wondeland	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Boy Blue	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Dorothy Gale	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Harry Potter	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Huckleberry Finn	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
James N Giantpeach	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Laura Ingalls	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Mary Contrary	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Child A	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Child B	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Child C	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm
Child D	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm	hh:mm

Figure 6.6

LOOSE-LEAF

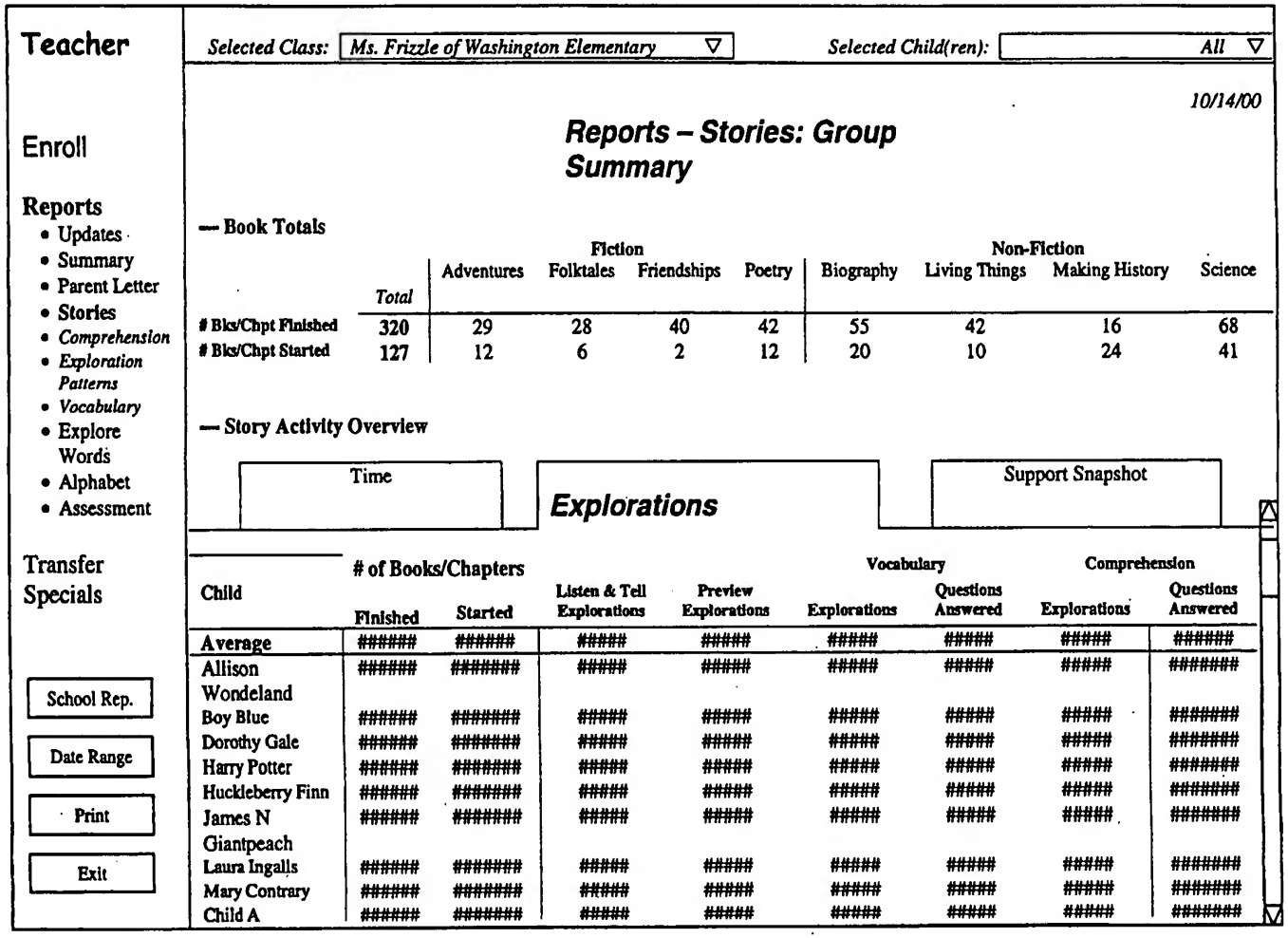
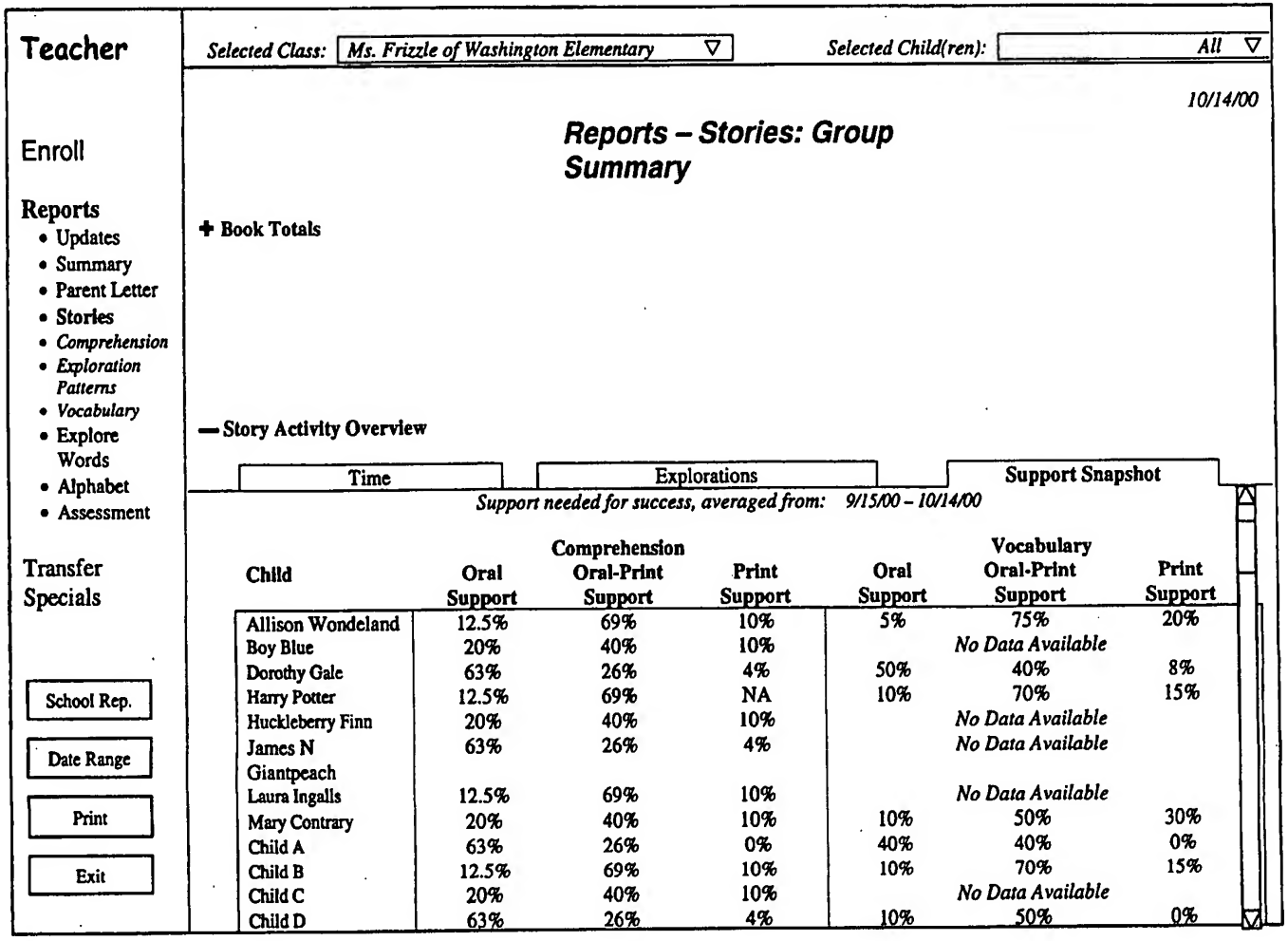


Figure 6.7

EDS-0150-00160



Child	Comprehension			Vocabulary		
	Oral Support	Oral-Print Support	Print Support	Oral Support	Oral-Print Support	Print Support
Allison Wondeland	12.5%	69%	10%	5%	75%	20%
Boy Blue	20%	40%	10%		*No Data Available*	
Dorothy Gale	63%	26%	4%	50%	40%	8%
Harry Potter	12.5%	69%	NA	10%	70%	15%
Huckleberry Finn	20%	40%	10%		*No Data Available*	
James N Giantpeach	63%	26%	4%		*No Data Available*	
Laura Ingalls	12.5%	69%	10%		*No Data Available*	
Mary Contrary	20%	40%	10%	10%	50%	30%
Child A	63%	26%	0%	40%	40%	0%
Child B	12.5%	69%	10%	10%	70%	15%
Child C	20%	40%	10%		*No Data Available*	
Child D	63%	26%	4%	10%	50%	0%

Figure 6.8

EXHIBIT - 05/16/02

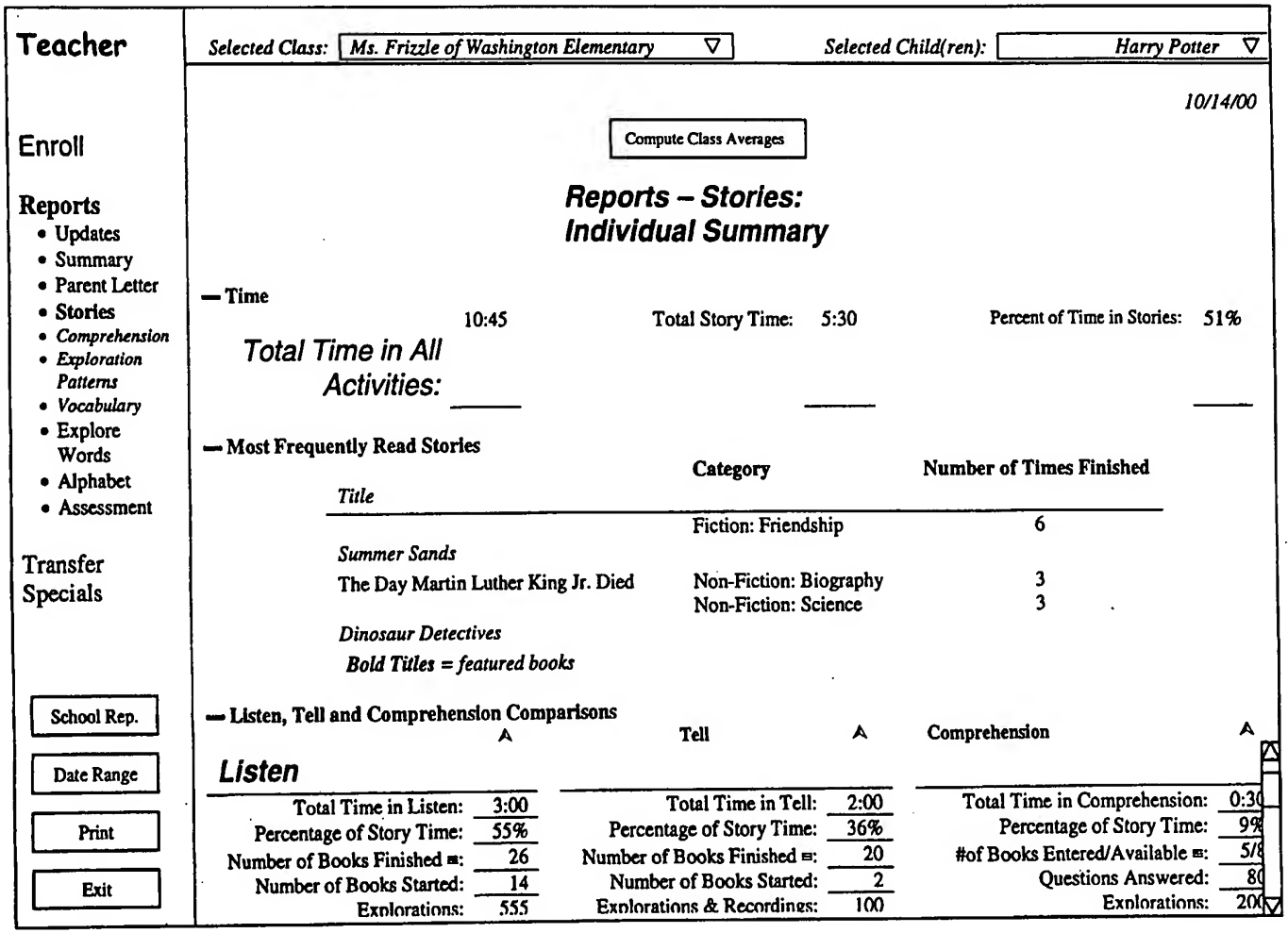

Teacher
Enroll
Reports
• Updates
• Summary
• Parent Letter
• Stories
• Comprehension
• Exploration Patterns
• Vocabulary
• Explore Words
• Alphabet
• Assessment
Transfer Specials
School Rep.
Date Range
Print
Exit
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): Harry Potter
10/14/00
Compute Class Averages
Reports – Stories: Individual Summary
— Time
Total Time in All Activities: 10:45
Total Story Time: 5:30
Percent of Time in Stories: 51%
— Most Frequently Read Stories
Title
Category
Number of Times Finished
Summer Sands
Fiction: Friendship 6
The Day Martin Luther King Jr. Died
Non-Fiction: Biography 3
Non-Fiction: Science 3
Dinosaur Detectives
Bold Titles = featured books
— Listen, Tell and Comprehension Comparisons
Listen
Total Time in Listen: 3:00
Percentage of Story Time: 55%
Number of Books Finished =: 26
Number of Books Started: 14
Explorations: 555
Tell
Total Time in Tell: 2:00
Percentage of Story Time: 36%
Number of Books Finished =: 20
Number of Books Started: 2
Explorations & Recordings: 100
Comprehension
Total Time in Comprehension: 0:30
Percentage of Story Time: 9%
#of Books Entered/Available =: 5/8
Questions Answered: 80
Explorations: 200

Figure 6.9

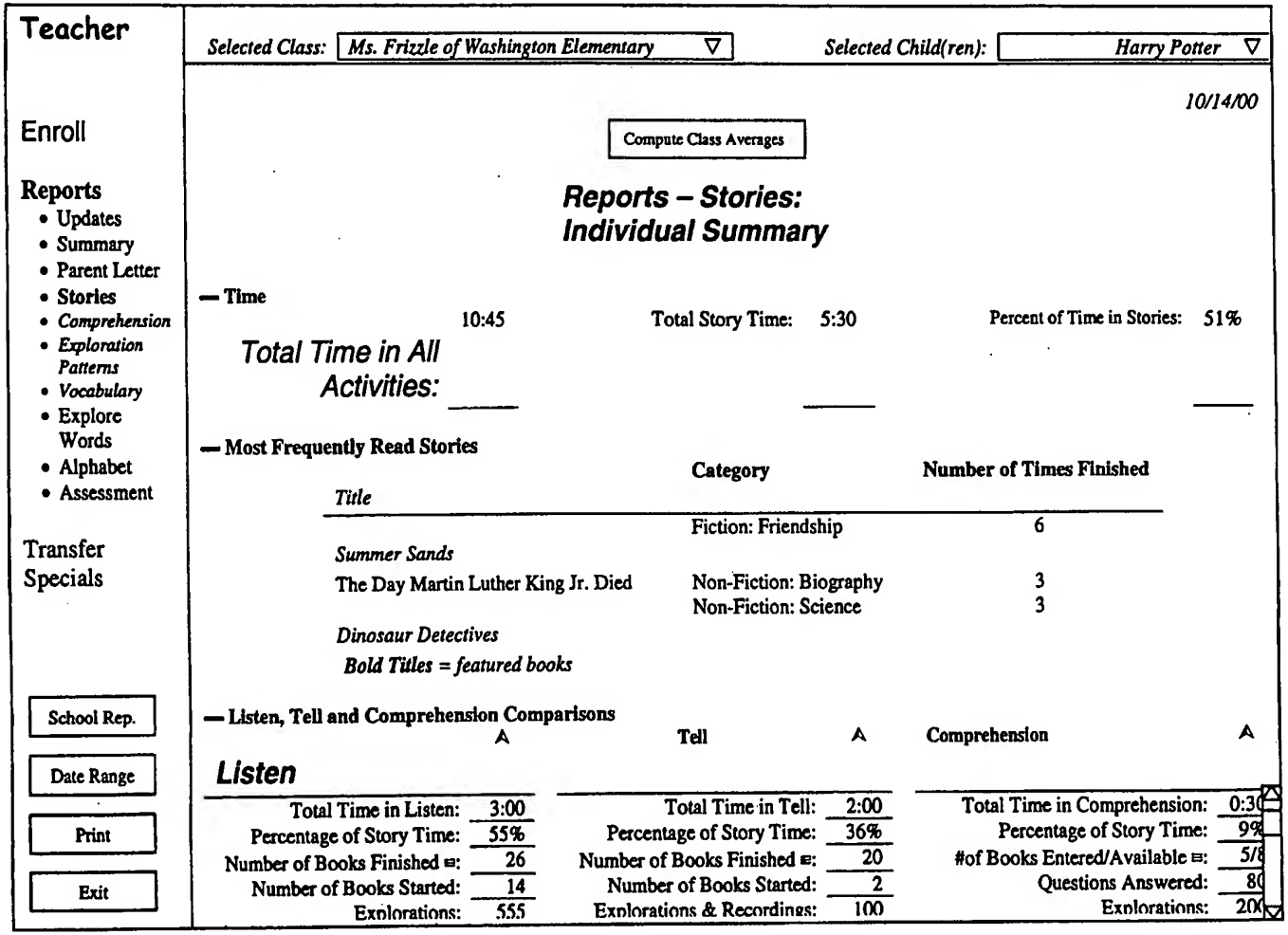
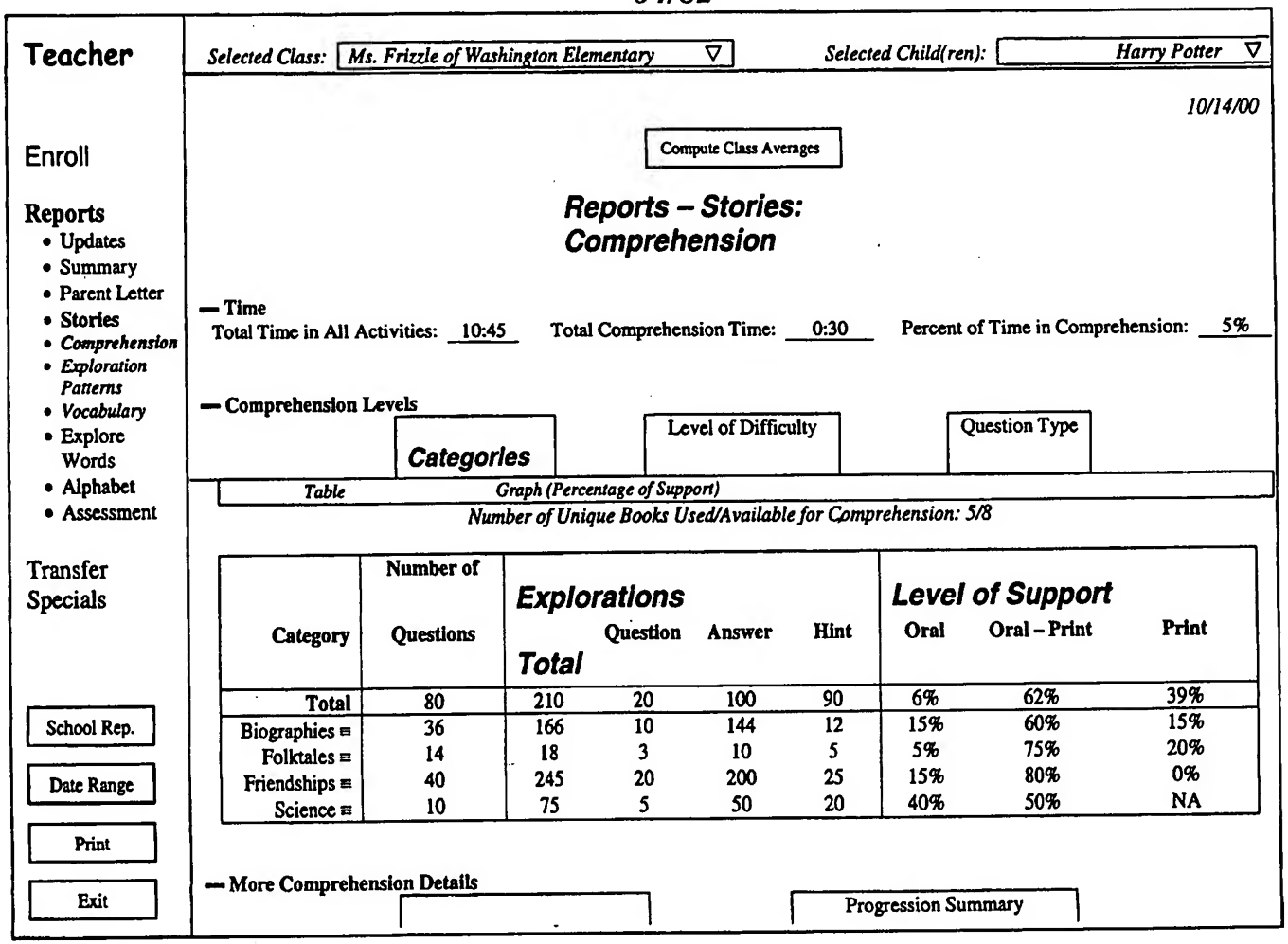


Figure 6.10

EXHIBIT 1008 - 062/082



Category	Number of Questions	Explorations Total	Question	Answer	Hint	Level of Support Oral	Oral – Print	Print
Total	80	210	20	100	90	6%	62%	39%
Biographies ≡	36	166	10	144	12	15%	60%	15%
Folktales ≡	14	18	3	10	5	5%	75%	20%
Friendships ≡	40	245	20	200	25	15%	80%	0%
Science ≡	10	75	5	50	20	40%	50%	NA

Figure 6.12

EXHIBIT 1002 - 064/082

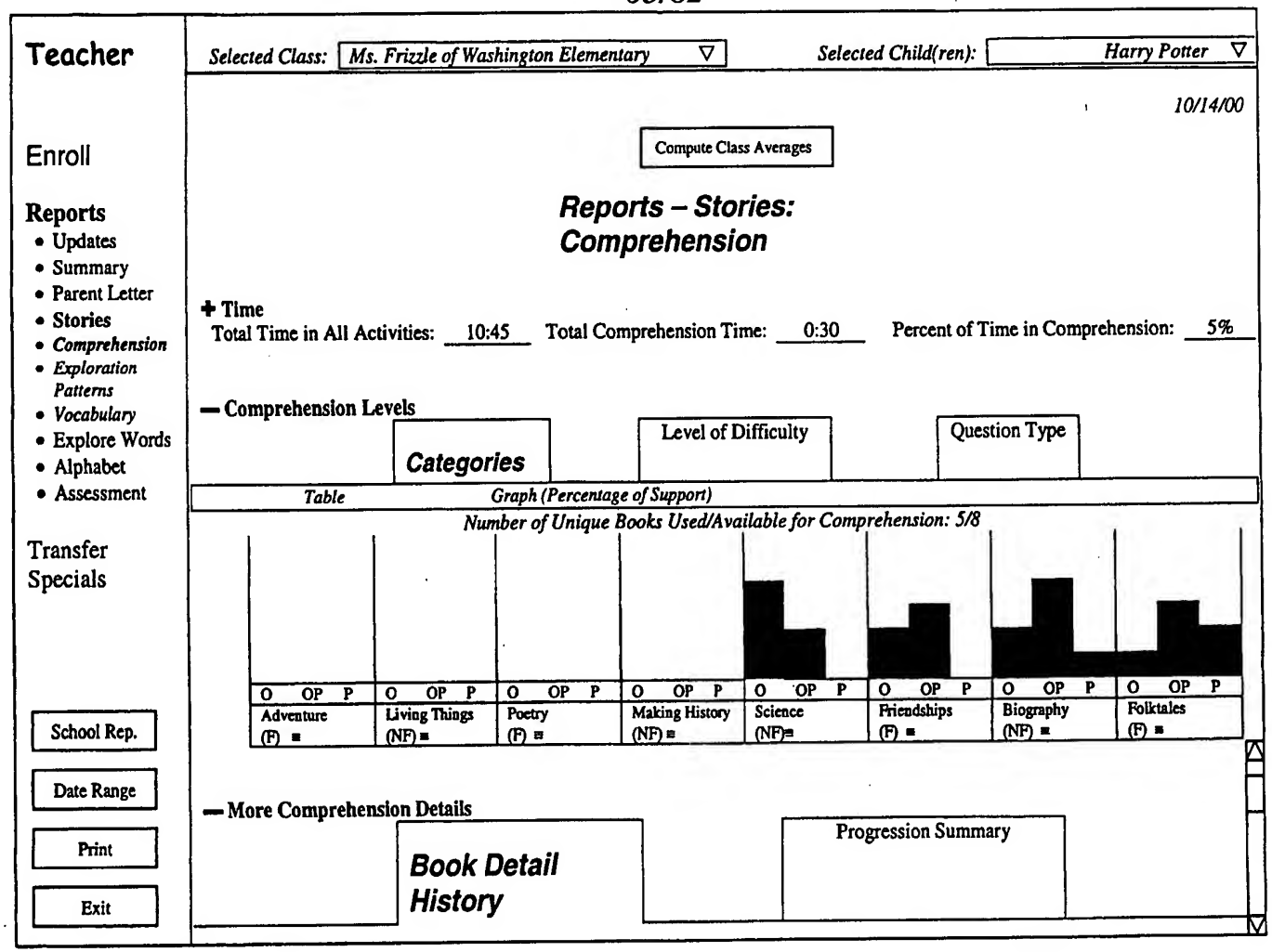

Teacher
Enroll
Reports
• Updates
• Summary
• Parent Letter
• Stories
• Comprehension
• Exploration Patterns
• Vocabulary
• Explore Words
• Alphabet
• Assessment
Transfer Specials
School Rep.
Date Range
Print
Exit
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): Harry Potter
10/14/00
Compute Class Averages
Reports – Stories: Comprehension
+ Time
Total Time in All Activities: 10:45
Total Comprehension Time: 0:30
Percent of Time in Comprehension: 5%
— Comprehension Levels
Categories
Level of Difficulty
Question Type
Table
Graph (Percentage of Support)
Number of Unique Books Used/Available for Comprehension: 5/8
O OP P
Adventure (F)
Living Things (NF)
Poetry (F)
Making History (NF)
Science (NF)
Friendships (F)
Biography (NF)
Folktales (F)
— More Comprehension Details
Book Detail History
Progression Summary

Figure 6.13

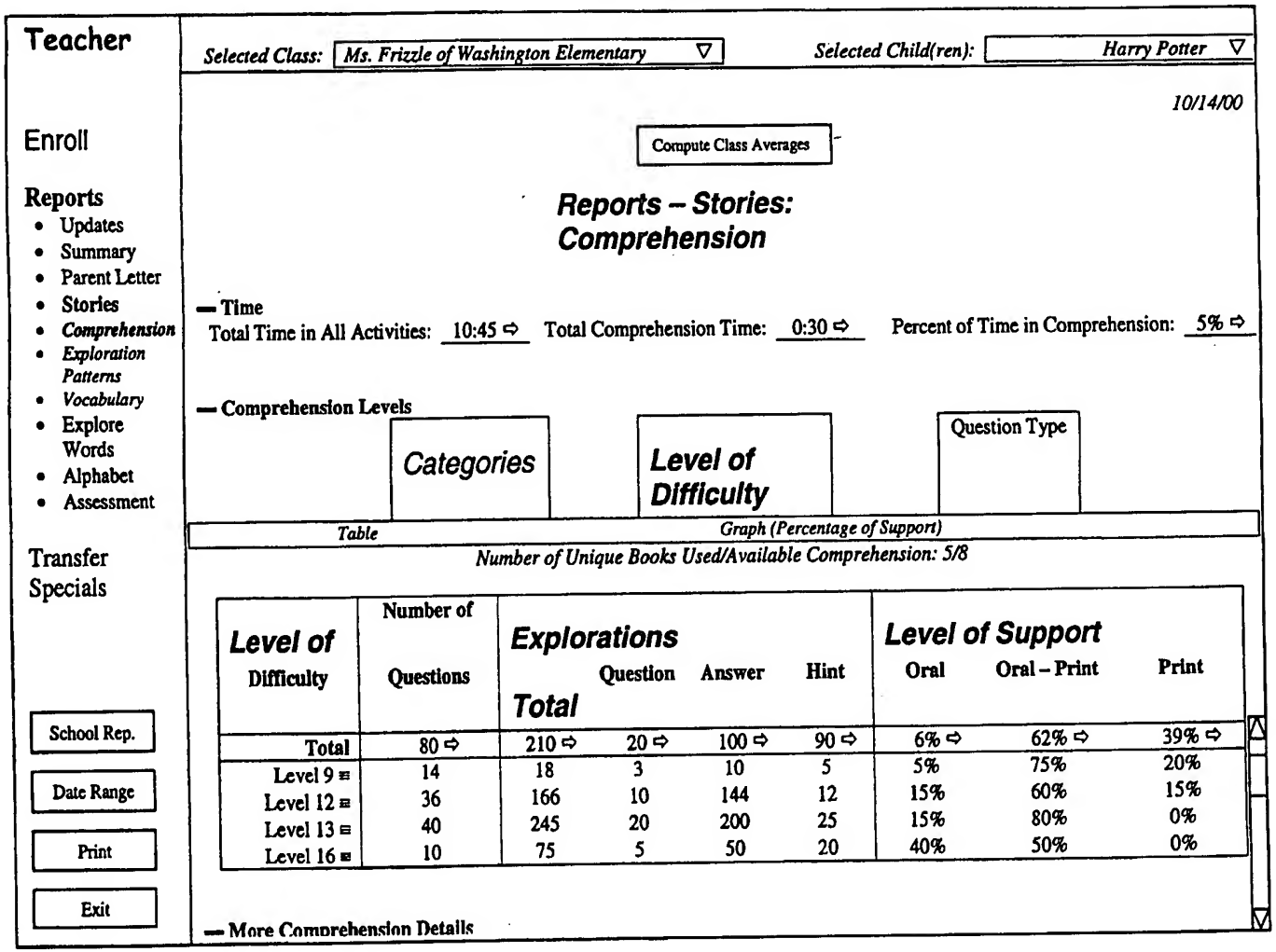

Teacher
Enroll
Reports
Updates
Summary
Parent Letter
Stories
Comprehension
Exploration Patterns
Vocabulary
Explore Words
Alphabet
Assessment
Transfer Specials
School Rep.
Date Range
Print
Exit
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): Harry Potter
10/14/00
Compute Class Averages
Reports – Stories: Comprehension
Time
Total Time in All Activities: 10:45
Total Comprehension Time: 0:30
Percent of Time in Comprehension: 5%
Comprehension Levels
Categories
Level of Difficulty
Question Type
Table
Graph (Percentage of Support)
Number of Unique Books Used/Available Comprehension: 5/8
Level of Difficulty
Number of Questions
Explorations Total
Question
Answer
Hint
Level of Support
Oral
Oral – Print
Print
Total 80 210 20 100 90 6% 62% 39%
Level 9 14 18 3 10 5 5% 75% 20%
Level 12 36 166 10 144 12 15% 60% 15%
Level 13 40 245 20 200 25 15% 80% 0%
Level 16 10 75 5 50 20 40% 50% 0%
More Comprehension Details

Figure 6.14

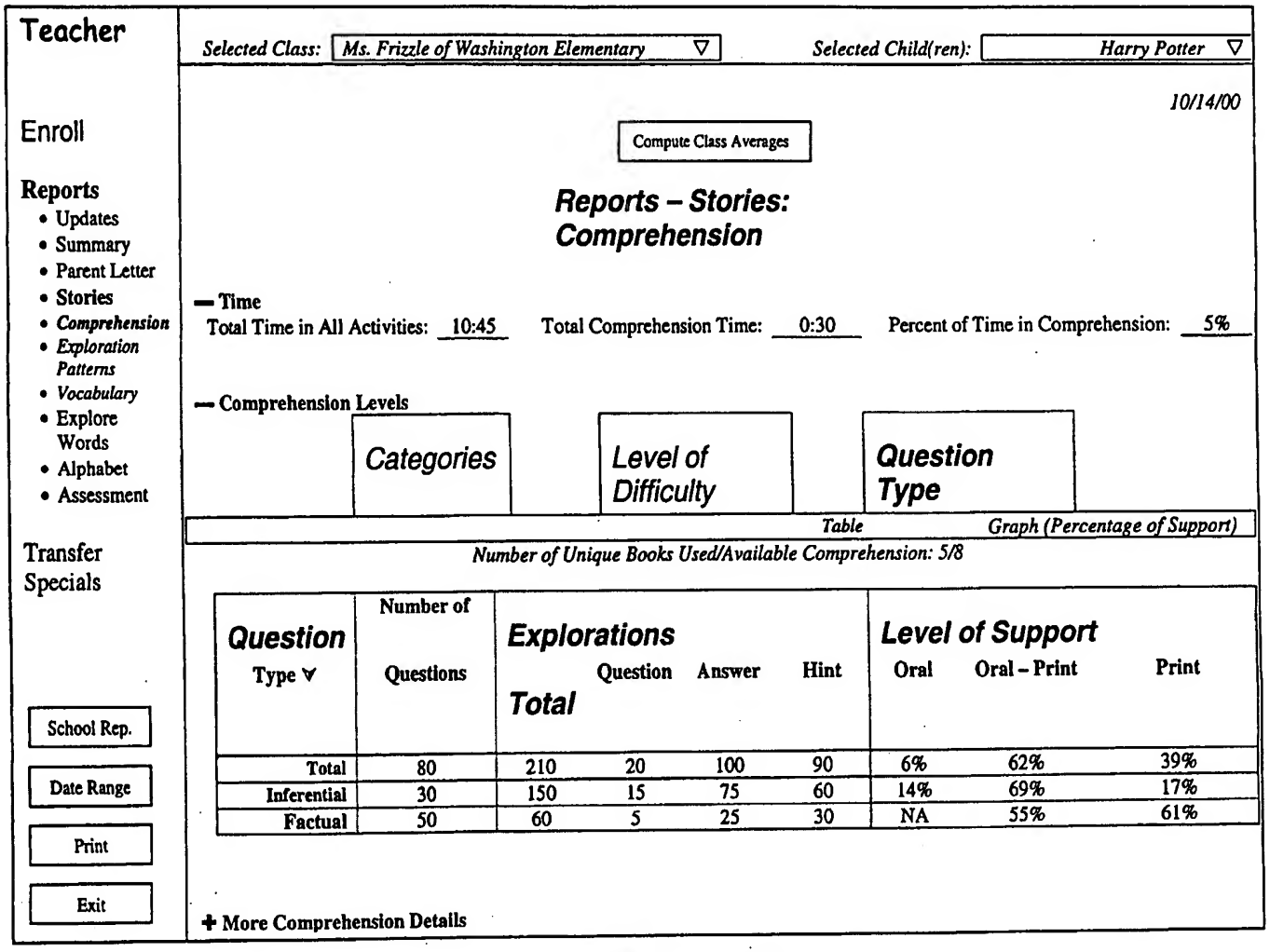


Figure 6.15

EXHIBIT 1002

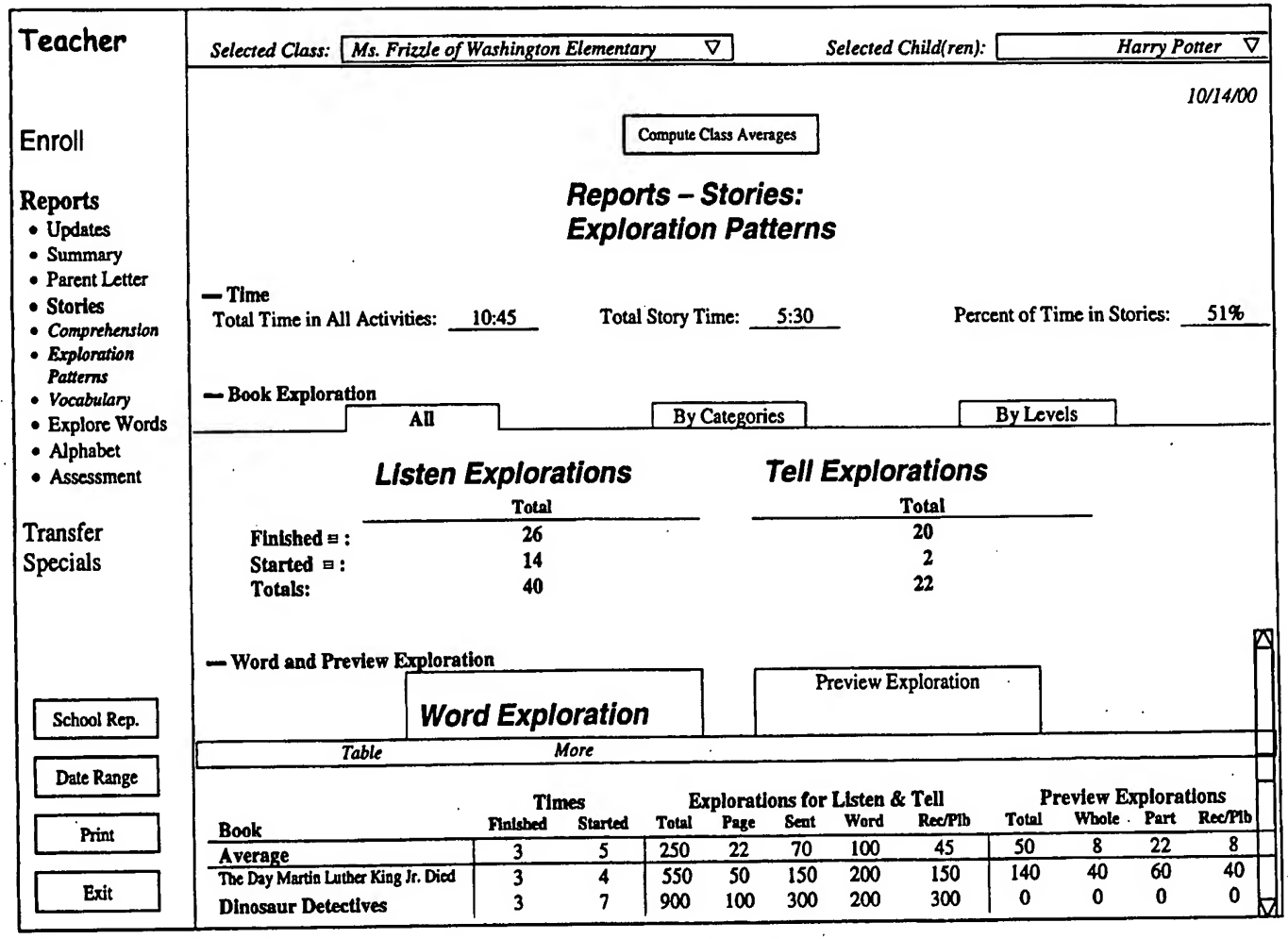

Teacher
Enroll
Reports
• Updates
• Summary
• Parent Letter
• Stories
• Comprehension
• Exploration Patterns
• Vocabulary
• Explore Words
• Alphabet
• Assessment
Transfer Specials
School Rep.
Date Range
Print
Exit
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): Harry Potter
10/14/00
Compute Class Averages
Reports – Stories: Exploration Patterns
— Time
Total Time in All Activities: 10:45
Total Story Time: 5:30
Percent of Time in Stories: 51%
— Book Exploration
All
By Categories
By Levels
Listen Explorations
Tell Explorations
Total
Finished =: 26 20
Started =: 14 2
Totals: 40 22
— Word and Preview Exploration
Word Exploration
Preview Exploration
Table
More
Times
Explorations for Listen & Tell
Preview Explorations
Book
Finished
Started
Total
Page
Sent
Word
Rec/Plb
Total
Whole
Part
Rec/Plb
Average 3 5 250 22 70 100 45 50 8 22 8
The Day Martin Luther King Jr. Died 3 4 550 50 150 200 150 140 40 60 40
Dinosaur Detectives 3 7 900 100 300 200 300 0 0 0 0

Figure 6.16

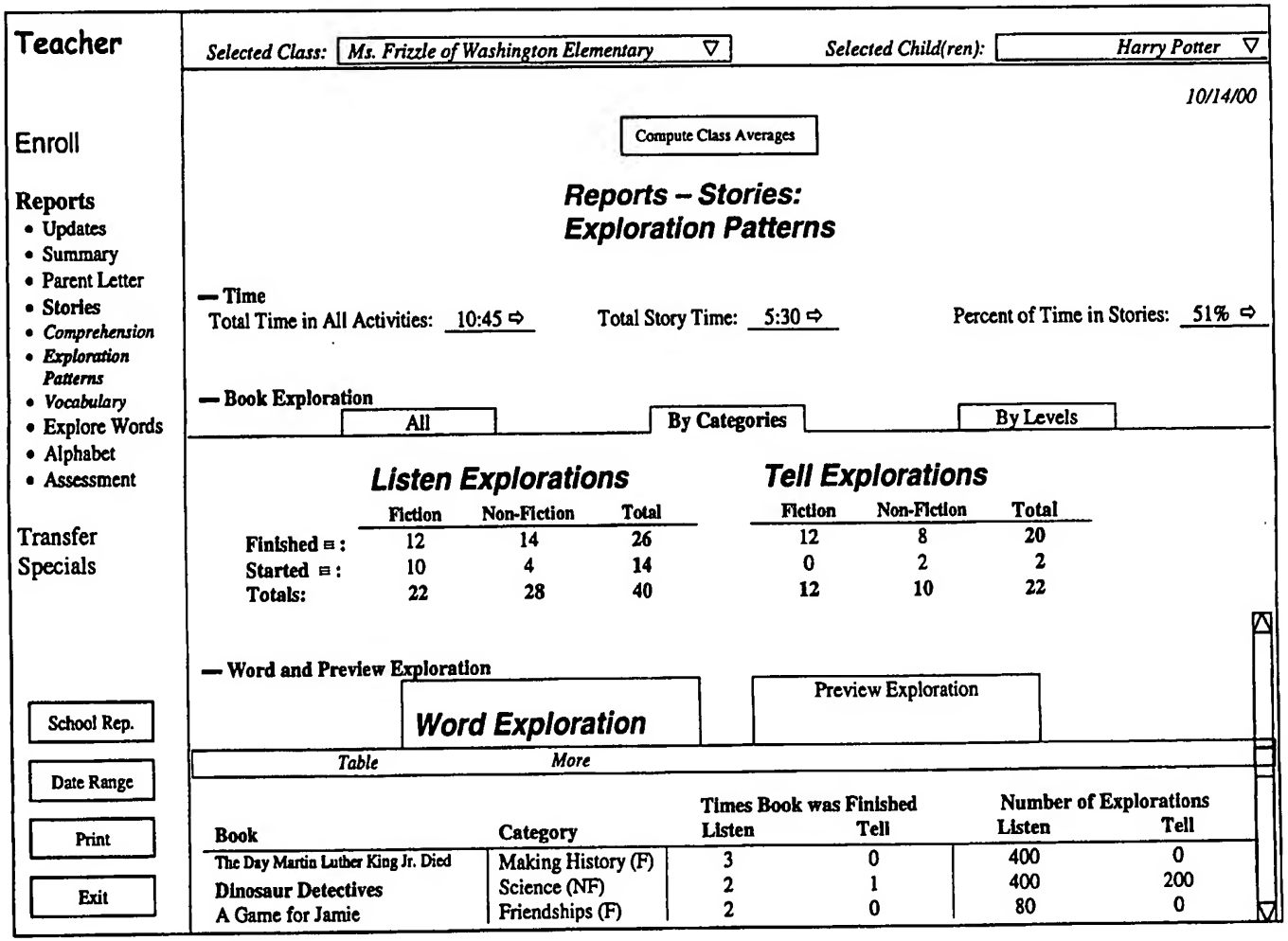
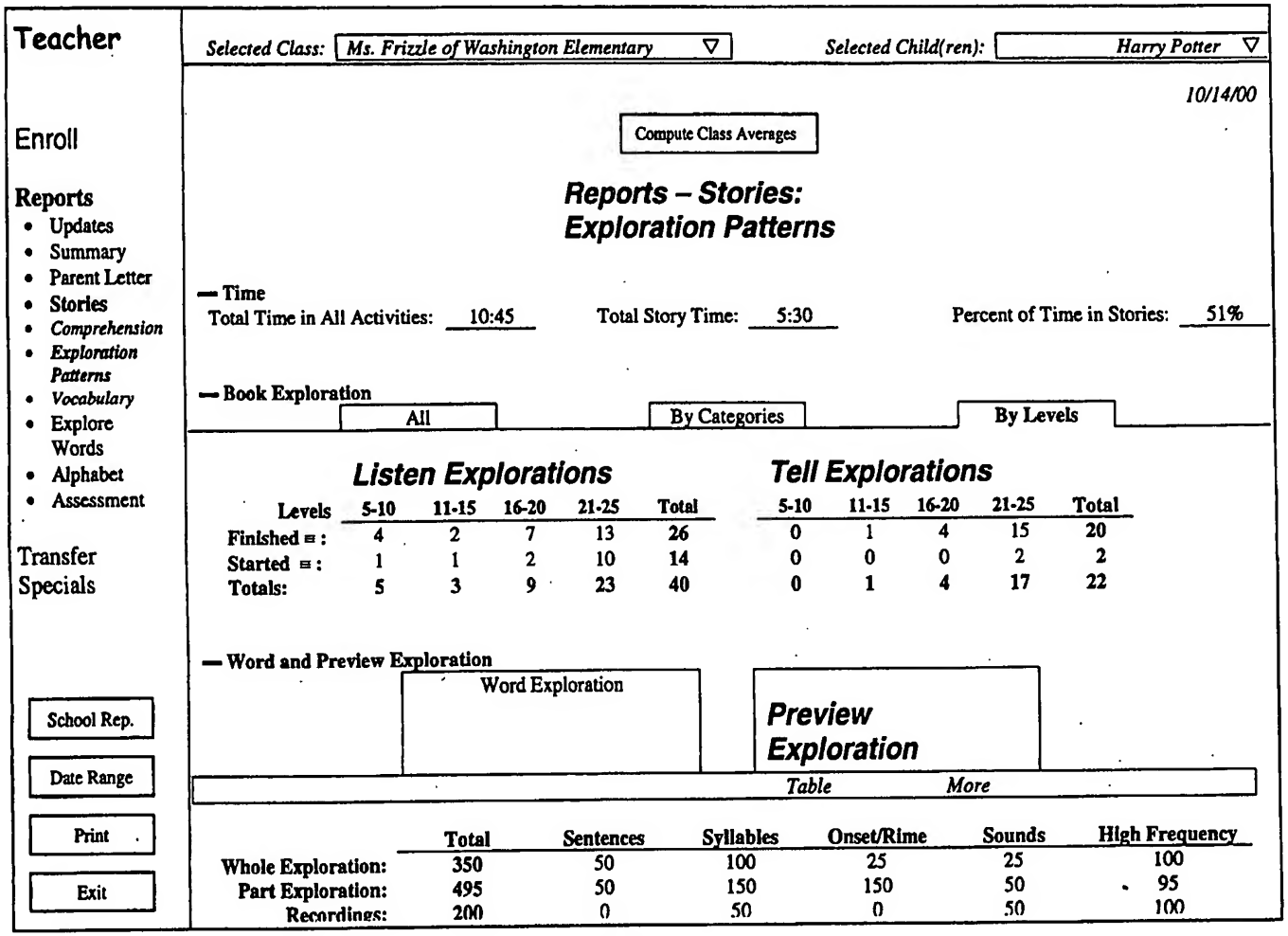

Teacher
Enroll
Reports
• Updates
• Summary
• Parent Letter
• Stories
• Comprehension
• Exploration Patterns
• Vocabulary
• Explore Words
• Alphabet
• Assessment
Transfer
Specials
School Rep.
Date Range
Print
Exit
Selected Class: Ms. Frizzle of Washington Elementary
Selected Child(ren): Harry Potter
10/14/00
Compute Class Averages
Reports – Stories:
Exploration Patterns
— Time
Total Time in All Activities: 10:45
Total Story Time: 5:30
Percent of Time in Stories: 51%
— Book Exploration
All
By Categories
By Levels
Listen Explorations
Tell Explorations
Fiction Non-Fiction Total
Finished : 12 14 26
Started : 10 4 14
Totals: 22 28 40
Fiction Non-Fiction Total
12 8 20
0 2 2
12 10 22
— Word and Preview Exploration
Word Exploration
Preview Exploration
Table
More
Book
Category
Times Book was Finished
Listen
Tell
Number of Explorations
Listen
Tell
The Day Martin Luther King Jr. Died
Making History (F)
3
0
400
0
Dinosaur Detectives
Science (NF)
2
1
400
200
A Game for Jamie
Friendships (F)
2
0
80
0

Figure 6.17

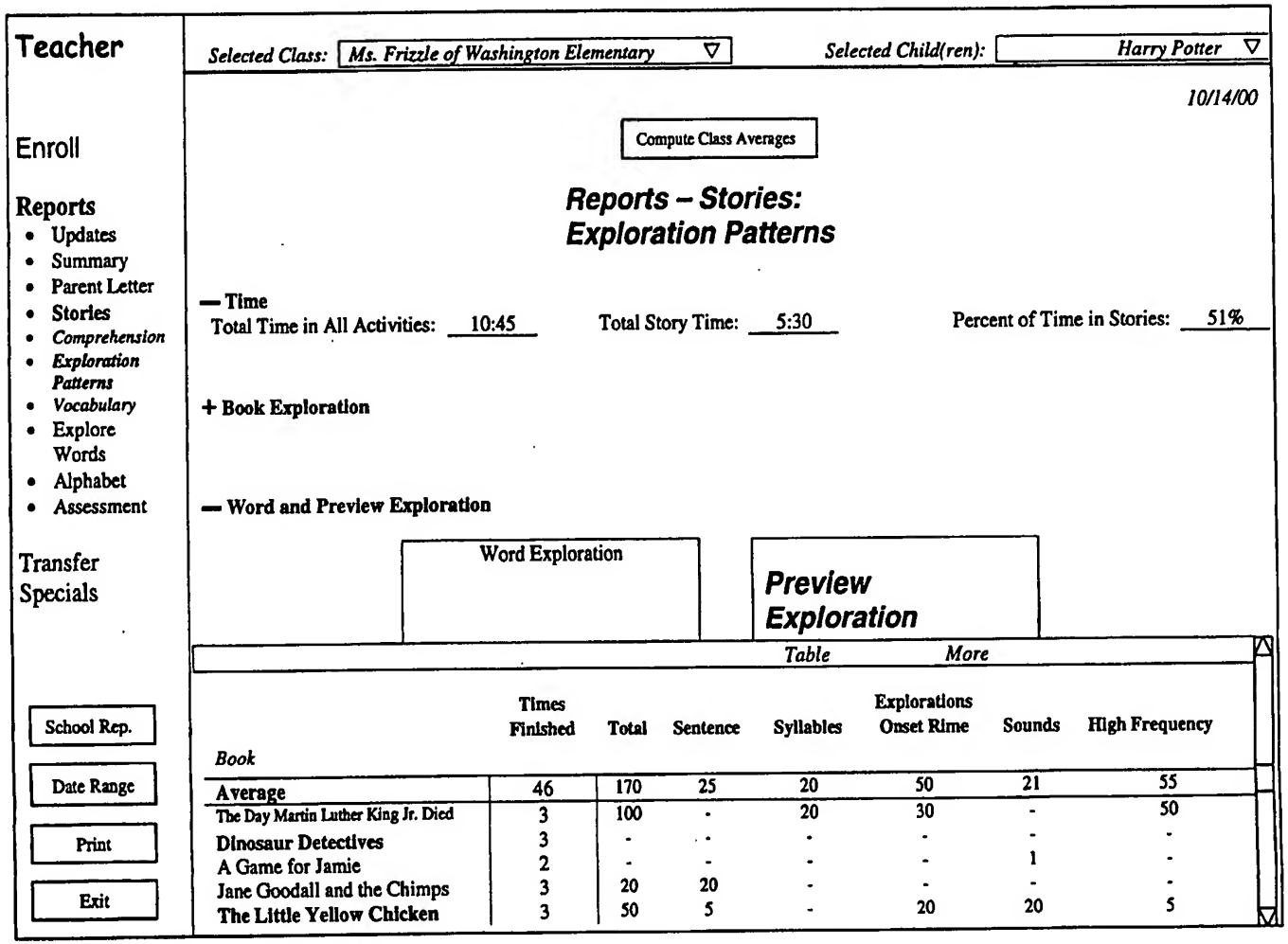


Levels	Listen 5-10	Listen 11-15	Listen 16-20	Listen 21-25	Listen Total	Tell 5-10	Tell 11-15	Tell 16-20	Tell 21-25	Tell Total
Finished ▭:	4	2	7	13	26	0	1	4	15	20
Started ▭:	1	1	2	10	14	0	0	0	2	2
Totals:	5	3	9	23	40	0	1	4	17	22

	Total	Sentences	Syllables	Onset/Rime	Sounds	High Frequency
Whole Exploration:	350	50	100	25	25	100
Part Exploration:	495	50	150	150	50	95
Recordings:	200	0	50	0	50	100

Figure 6.18

EXHIBIT 1002 - 0070



Book	Times Finished	Total	Sentence	Syllables	Explorations Onset Rime	Sounds	High Frequency
Average	46	170	25	20	50	21	55
The Day Martin Luther King Jr. Died	3	100	-	20	30	-	50
Dinosaur Detectives	3	-	-	-	-	-	-
A Game for Jamie	2	-	-	-	-	1	-
Jane Goodall and the Chimps	3	20	20	-	-	-	-
The Little Yellow Chicken	3	50	5	-	20	20	5

Figure 6.19

Exhibit 1002

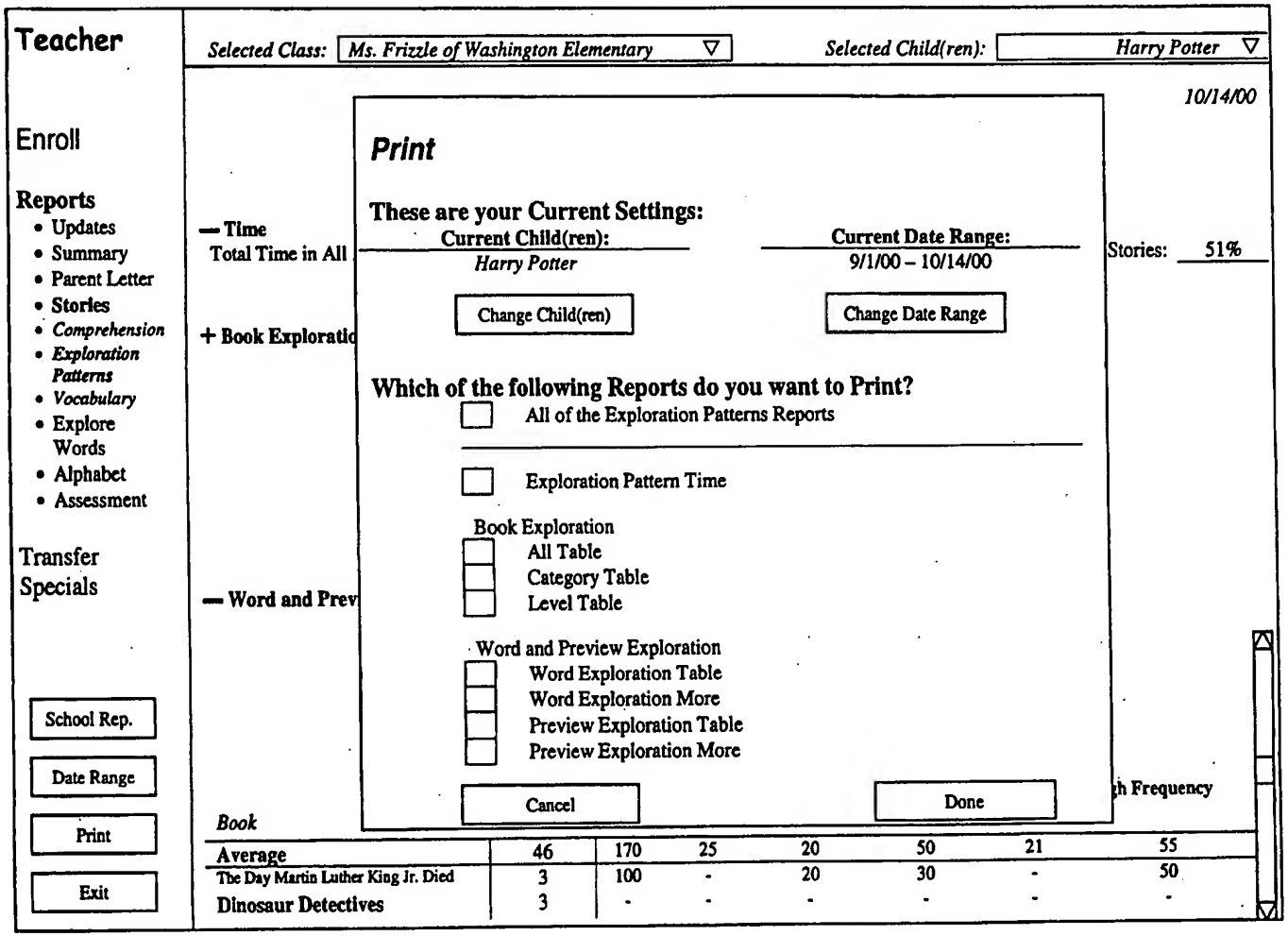


Figure 6.20

EXHIBIT 2005

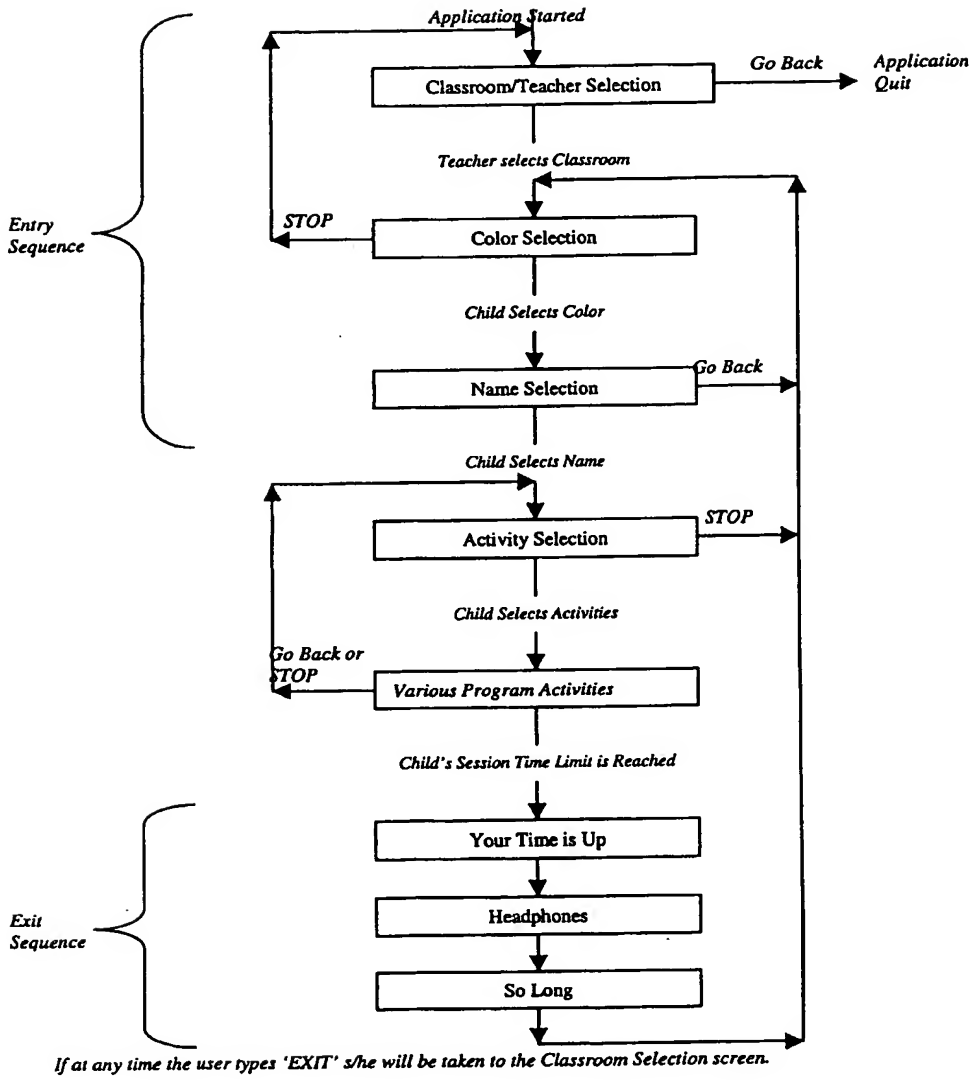

Application Started
Classroom/Teacher Selection
Go Back
Application Quit
Teacher selects Classroom
STOP
Color Selection
Entry Sequence
Child Selects Color
Name Selection
Go Back
Child Selects Name
Activity Selection
STOP
Child Selects Activities
Go Back or STOP
Various Program Activities
Child's Session Time Limit is Reached
Your Time is Up
Headphones
So Long
Exit Sequence
If at any time the user types 'EXIT' s/he will be taken to the Classroom Selection screen.

Figure 7.1

1009732 .061802

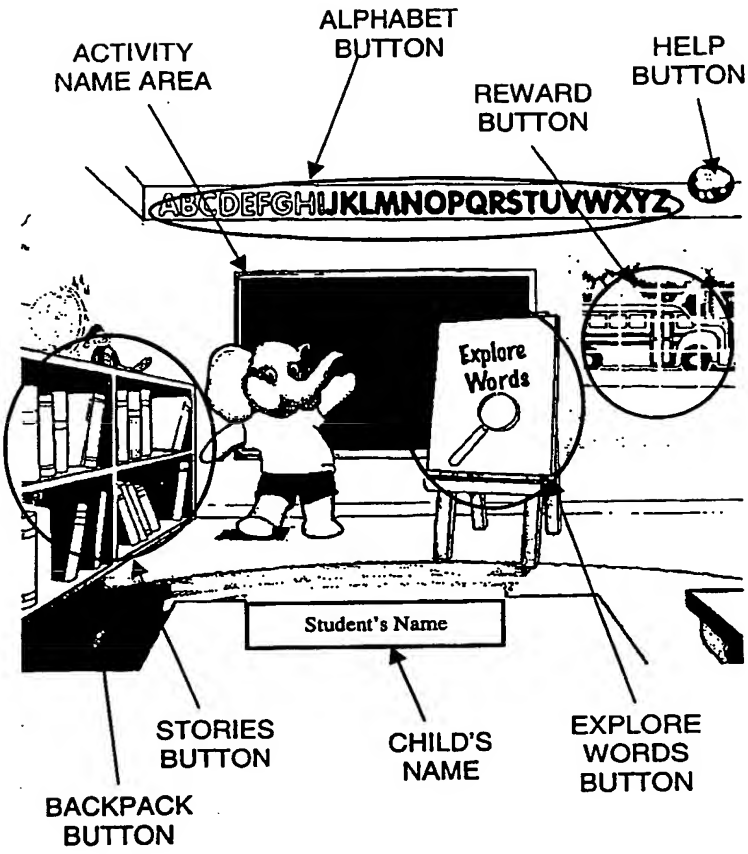


Figure 7.2

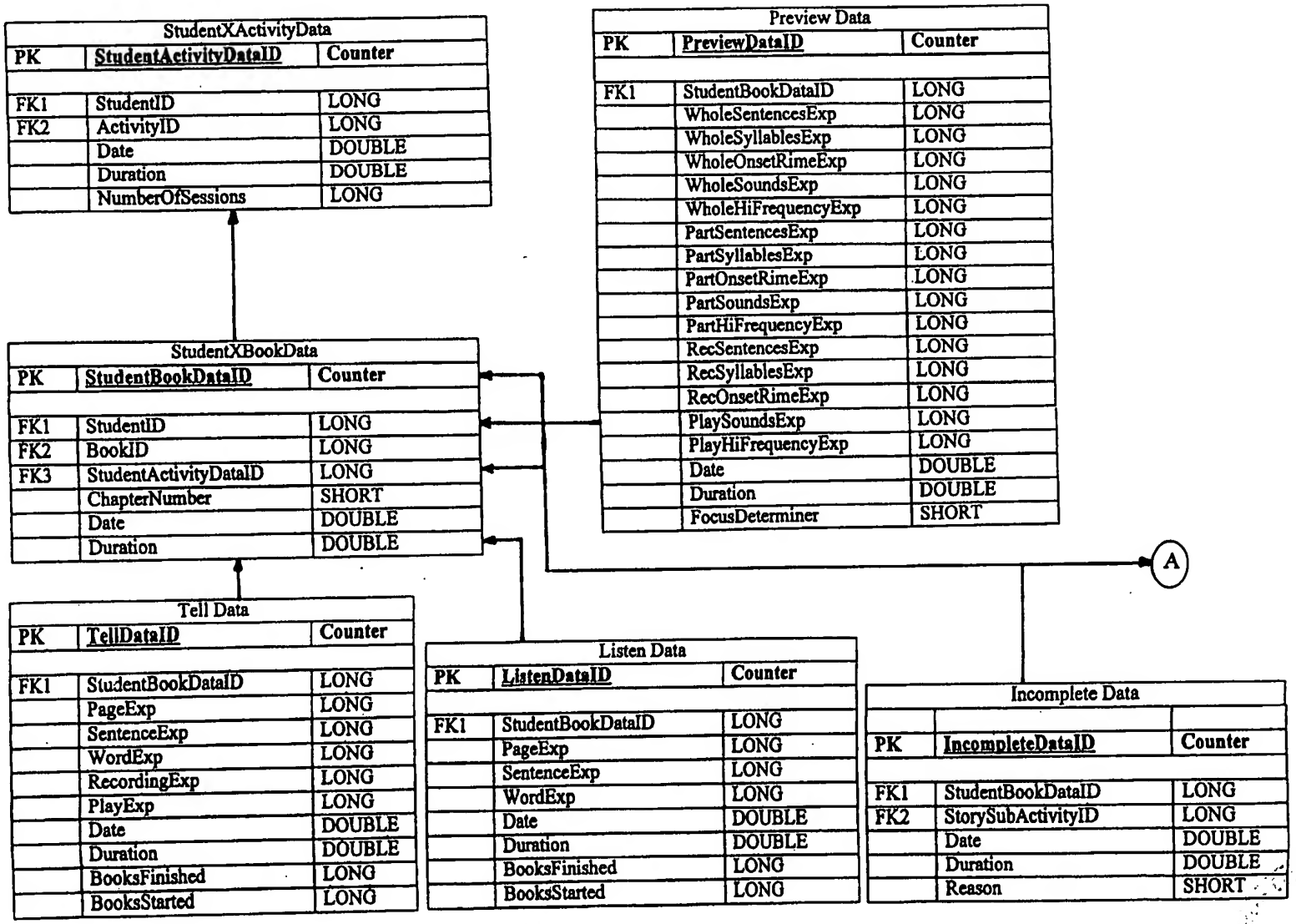

StudentXActivityData
PK StudentActivityDataID Counter
FK1 StudentID LONG
FK2 ActivityID LONG
Date DOUBLE
Duration DOUBLE
NumberOfSessions LONG
Preview Data
PK PreviewDataID Counter
FK1 StudentBookDataID LONG
WholeSentencesExp LONG
WholeSyllablesExp LONG
WholeOnsetRimeExp LONG
WholeSoundsExp LONG
WholeHiFrequencyExp LONG
PartSentencesExp LONG
PartSyllablesExp LONG
PartOnsetRimeExp LONG
PartSoundsExp LONG
PartHiFrequencyExp LONG
RecSentencesExp LONG
RecSyllablesExp LONG
RecOnsetRimeExp LONG
PlaySoundsExp LONG
PlayHiFrequencyExp LONG
Date DOUBLE
Duration DOUBLE
FocusDeterminer SHORT
StudentXBookData
PK StudentBookDataID Counter
FK1 StudentID LONG
FK2 BookID LONG
FK3 StudentActivityDataID LONG
ChapterNumber SHORT
Date DOUBLE
Duration DOUBLE
A
Tell Data
PK TellDataID Counter
FK1 StudentBookDataID LONG
PageExp LONG
SentenceExp LONG
WordExp LONG
RecordingExp LONG
PlayExp LONG
Date DOUBLE
Duration DOUBLE
BooksFinished LONG
BooksStarted LONG
Listen Data
PK ListenDataID Counter
FK1 StudentBookDataID LONG
PageExp LONG
SentenceExp LONG
WordExp LONG
Date DOUBLE
Duration DOUBLE
BooksFinished LONG
BooksStarted LONG
Incomplete Data
PK IncompleteDataID Counter
FK1 StudentBookDataID LONG
FK2 StorySubActivityID LONG
Date DOUBLE
Duration DOUBLE
Reason SHORT

Figure 8.1.1

Comprehension Data		
PK	ComprehensionDataID	Counter
FK1	StudentBookDataID	LONG
	Cycle	LONG
	BeginAVL	SHORT
	EndAVL	SHORT
	QuestionExp	LONG
	AnswerExp	LONG
	HintExp	LONG
	Date	DOUBLE
	Duration	DOUBLE
	Response Time	DOUBLE
	IsCorrect	BIT
	InCompletedTask	BIT
	QuestionNumber	SHORT
	QuestionType	SHORT

A

StudentStateData		
PK FK1	StudentID	LONG
PK FK2	BookID	LONG
PK	ChapterNumber	SHORT
	BeginAVL	SHORT
	TaskAVL	SHORT
	ListenBookmark	SHORT
	TellBookmark	SHORT
		SHORT
		SHORT
	TrialCounter	SHORT
	LastTrial	SHORT
	TrialAVL1	SHORT
	TrialAVL2	SHORT
	TrialAVL3	SHORT
	TrialAVL4	SHORT
	IsBookStartedListen	BIT
	IsBookStartedTell	BIT
	Cycle	LONG
	TimesCompleted	LONG

Figure 8.1.2

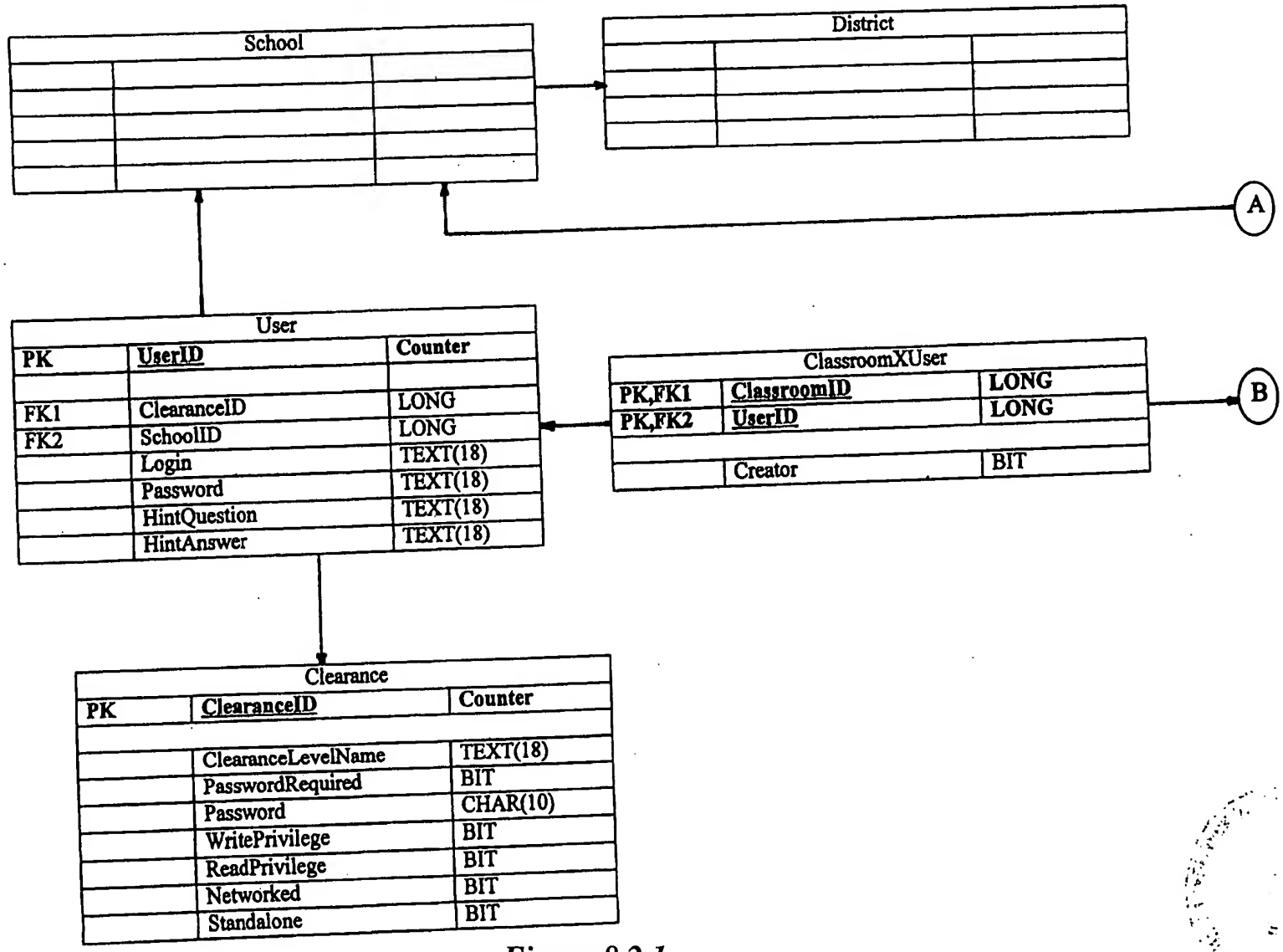

School
District
A
User
PK
UserID
Counter
FK1
ClearanceID
LONG
FK2
SchoolID
LONG
Login
TEXT(18)
Password
TEXT(18)
HintQuestion
TEXT(18)
HintAnswer
TEXT(18)
ClassroomXUser
PK,FK1
ClassroomID
LONG
PK,FK2
UserID
LONG
Creator
BIT
B
Clearance
PK
ClearanceID
Counter
ClearanceLevelName
TEXT(18)
PasswordRequired
BIT
Password
CHAR(10)
WritePrivilege
BIT
ReadPrivilege
BIT
Networked
BIT
Standalone
BIT

Figure 8.2.1

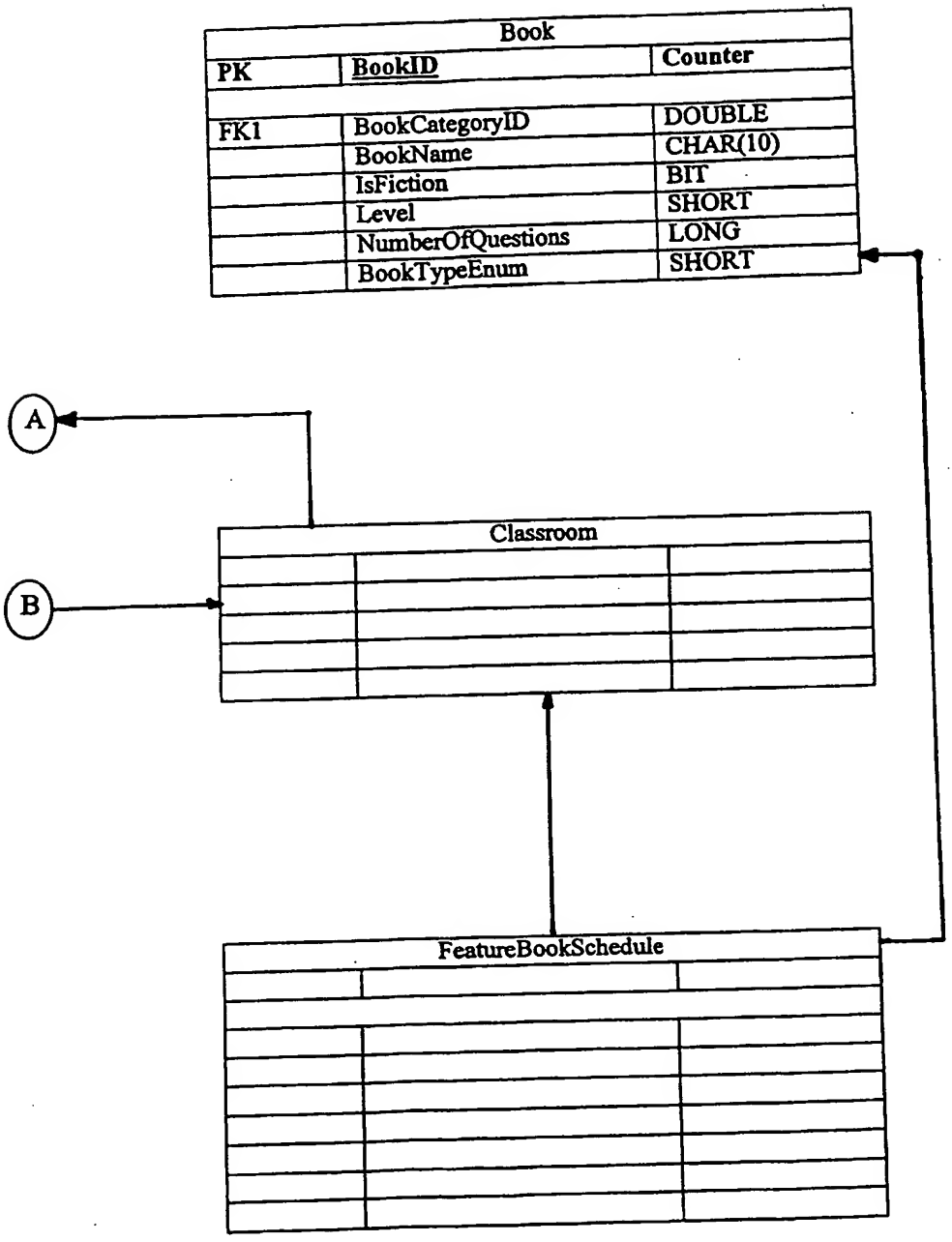

Book
PK
BookID
Counter
FK1
BookCategoryID
DOUBLE
BookName
CHAR(10)
IsFiction
BIT
Level
SHORT
NumberOfQuestions
LONG
BookTypeEnum
SHORT
A
B
Classroom
FeatureBookSchedule

Figure 8.2.2

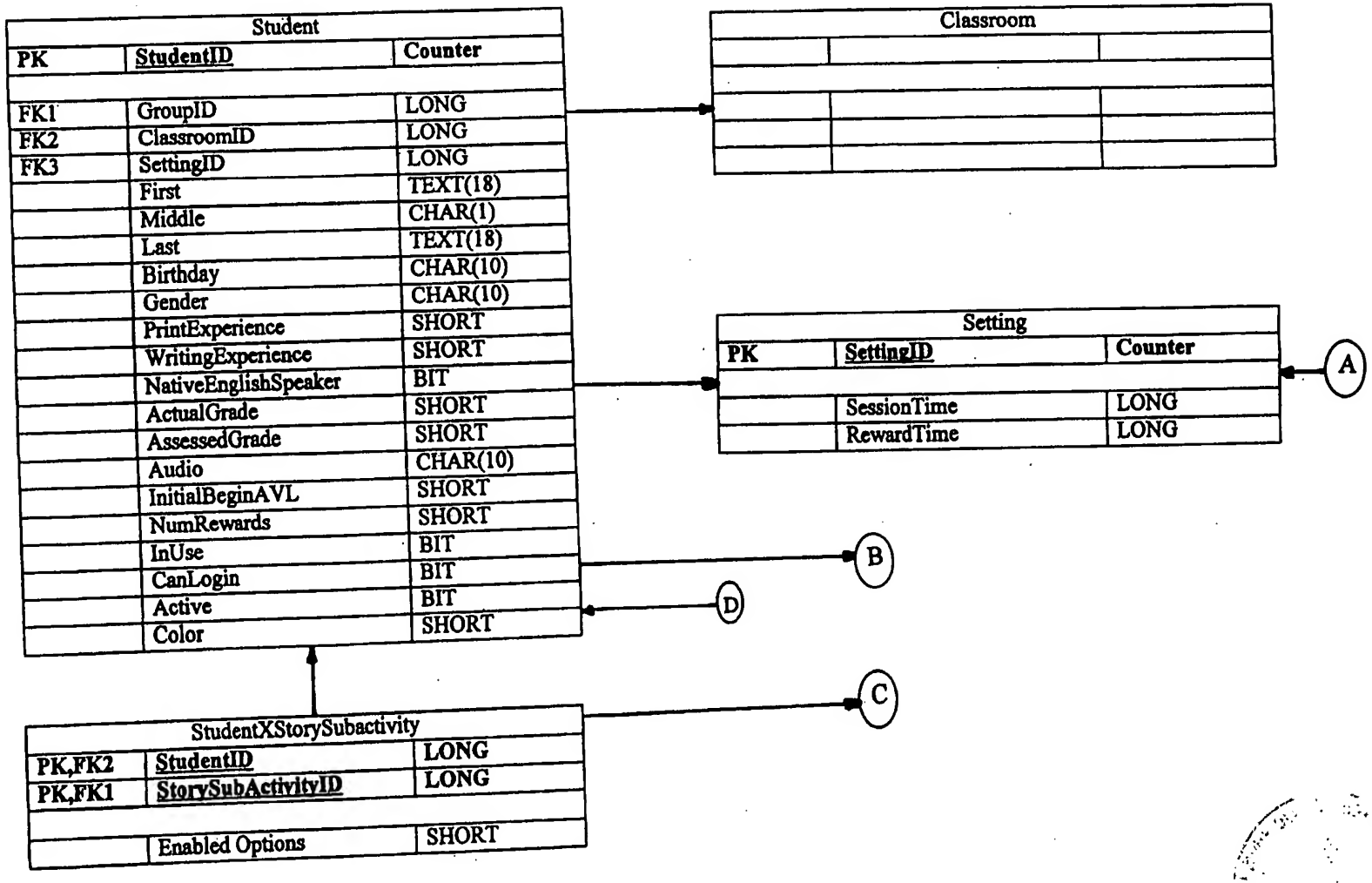

Student
PK
StudentID
Counter
FK1
GroupID
LONG
FK2
ClassroomID
LONG
FK3
SettingID
LONG
First
TEXT(18)
Middle
CHAR(1)
Last
TEXT(18)
Birthday
CHAR(10)
Gender
CHAR(10)
PrintExperience
SHORT
WritingExperience
SHORT
NativeEnglishSpeaker
BIT
ActualGrade
SHORT
AssessedGrade
SHORT
Audio
CHAR(10)
InitialBeginAVL
SHORT
NumRewards
SHORT
InUse
BIT
CanLogin
BIT
Active
BIT
Color
SHORT
Classroom
Setting
PK
SettingID
Counter
SessionTime
LONG
RewardTime
LONG
A
B
C
D
StudentXStorySubactivity
PK,FK2
StudentID
LONG
PK,FK1
StorySubActivityID
LONG
Enabled Options
SHORT

Figure 8.3.1

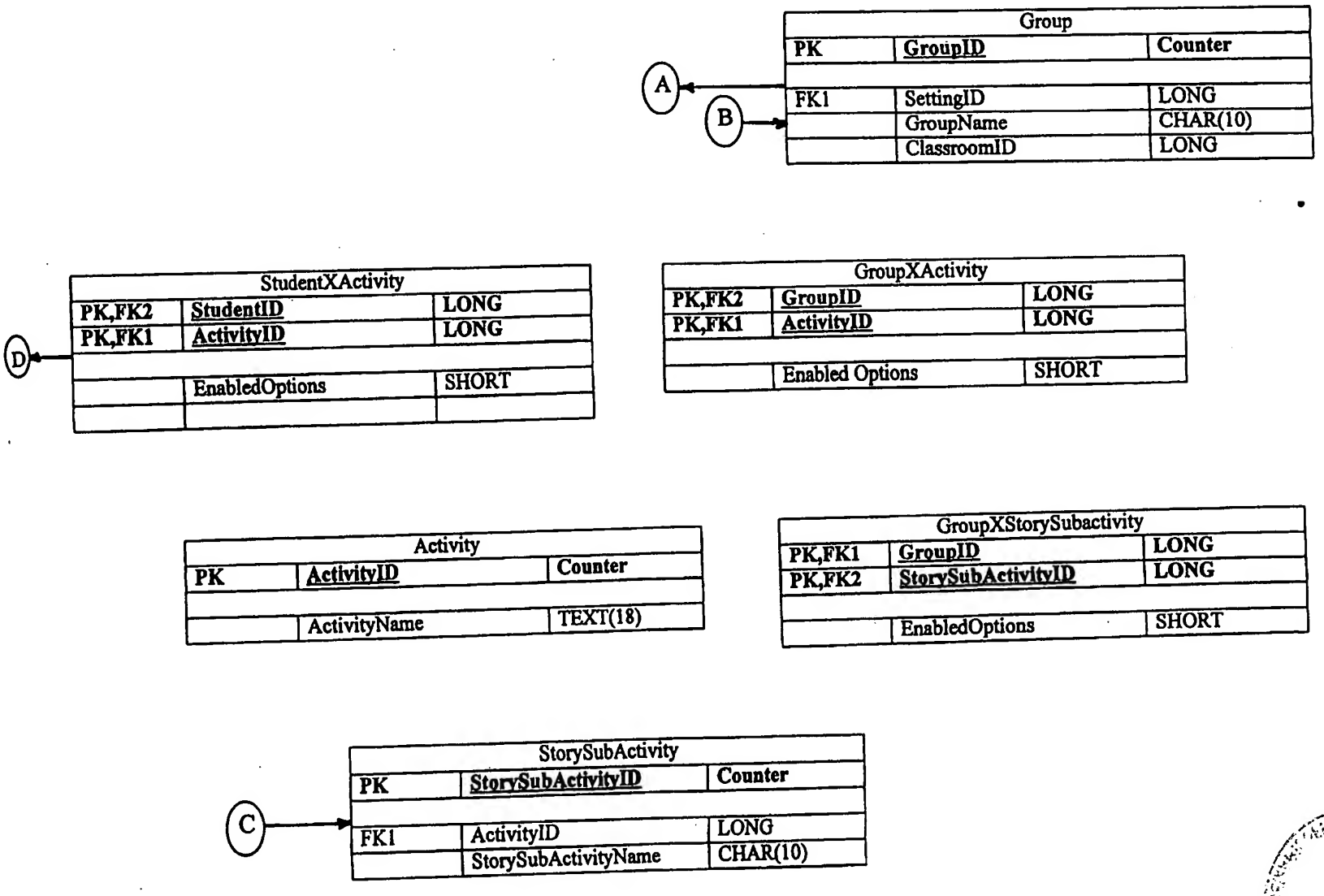


Figure 8.3.2

EXHIBIT 2002

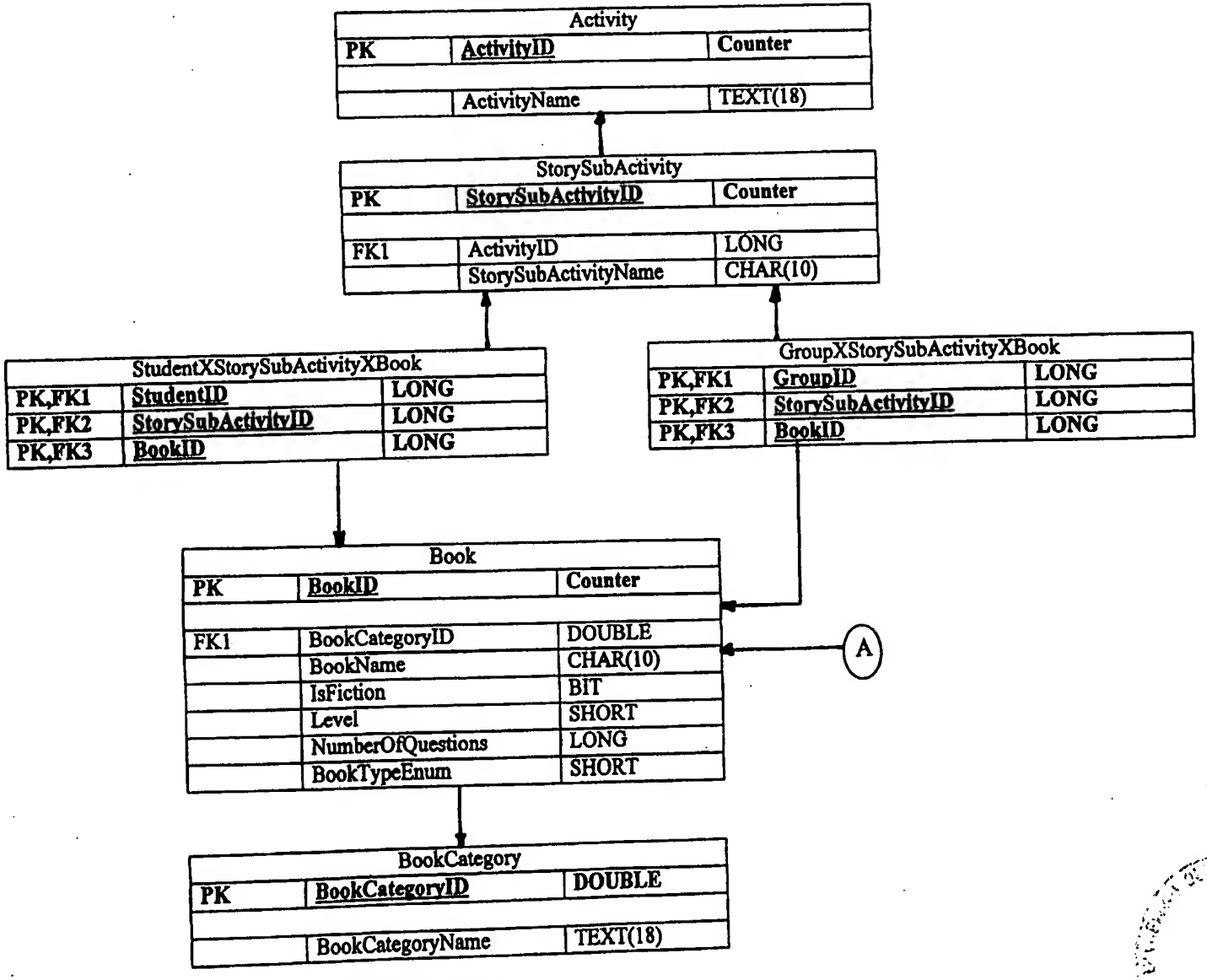


Figure 8.4.1

PCT/SG2005/000202

Comprehension Data		
PK	ComprehensionData	Counter
FK1	StudenBookDataID	LONG
	Cycle	LONG
	BeginAVL	SHORT
	EndAVL	SHORT
	QuestionExp	LONG
	AnswerExp	LONG
	HintExp	LONG
	Date	DOUBLE
	Duration	DOUBLE
	ResponseTime	DOUBLE
	IsCorrect	BIT
	InCompletedTask	BIT
	QuestionNumber	SHORT
	QuestionType	SHORT

StudentXBookData		
PK	StudentBookDataID	Counter
FK1	StudentID	LONG
FK2	BookID	LONG
FK3	StudentActivityDataID	LONG
	ChapterNumber	SHORT
	Date	DOUBLE
	Duration	DOUBLE

A

Figure 8.4.2

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☑ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☑ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.